James Lind Alliance Hyperacusis PSP. Total number of verified uncertainties from this PSP = 85. Details for Top 28 questions appear first. For details of ALL questions submitted to the PSP, see later in this spreadsheet

JLA question ID	Indicative uncertainty	Explanatory note	Date of priority setting workshop	Rank of the uncertainty at the final workshop.	Evidence
IU18	What is the most effective treatment approach for hyperacusis in children?	See original submissions for examples	23-Jul-18	**1**	
IU39	What is the prevalence of hyperacusis in a general population and other specific populations (e.g. people with autism, mental health issues, learning disabilities, hearing loss)?	See original submissions for examples	23-Jul-18	**2**	
IU1	Are there different meaningful types of hyperacusis?	See original submissions for examples	23-Jul-18	**3**	Fackrell, K., Potgieter, I., Shekhawat, G. S., Baguley, D. M., Sereda, M., & Hoare, D. J. (2017). Clinical Interventions for Hyperacusis in Adults : A Scoping Review to Assess the Current Position and Determine Priorities for Research. BioMed Research Int
IU19	What is the essential knowledge/training required for health professionals to appropriately refer or effectively manage hyperacusis?	See original submissions for examples	23-Jul-18	**4**	
IU22	Which treatment approaches are most effective for different types or severities of hyperacusis?	See original submissions for examples	23-Jul-18	**5**	
IU75	Is hyperacusis due to physical or psychological issues or is it a combination of both?	See original submissions for examples	23-Jul-18	**6**	
IU24	Which psychological therapy (e.g. counselling, Cognitive Behavioural Therapy, mindfulness) is most effective for hyperacusis?	See original submissions for examples	23-Jul-18	**7**	Fackrell, K., Potgieter, I., Shekhawat, G. S., Baguley, D. M., Sereda, M., & Hoare, D. J. (2017). Clinical Interventions for Hyperacusis in Adults : A Scoping Review to Assess the Current Position and Determine Priorities for Research. BioMed Research Int Jüris, L., Andersson, G., Larsen, H. C., & Ekselius, L. (2014). Cognitive behaviour therapy for hyperacusis: A randomized controlled trial. Behaviour Research and Therapy, 54, 30–37.
		See original submissions for examples	23-Jul-18		
IU84	What management approach for hyperacusis is most effective for adults/children with autism?	See original submissions for examples	23-Jul-18	**8**	Fackrell, K., Potgieter, I., Shekhawat, G. S., Baguley, D. M., Sereda, M., & Hoare, D. J. (2017). Clinical Interventions for Hyperacusis in Adults : A Scoping Review to Assess the Current Position and Determine Priorities for Research. BioMed Research Int
IU27	What is the best way of using sound in therapy for hyperacusis?	See original submissions for examples	23-Jul-18	**9**	
IU85	Which self-help interventions are effective for hyperacusis?	See original submissions for examples	23-Jul-18	**10**	
IU51	What are the risk factors for developing hyperacusis or making it worse?	See original submissions for examples	23-Jul-18	**11**	
IU5	Which interventions in a school setting are useful for children with hyperacusis?	See original submissions for examples	23-Jul-18	**12**	Rosing, S. N., Schmidt, J. H., Wedderkopp, N., & Baguley, D. M. (2016). Prevalence of tinnitus and hyperacusis in children and adolescents: a systematic review. BMJ Open, 6(6), e010596. https://doi.org/10.1136/bmjopen-2015-010596
IU29	Which drugs are effective for hyperacusis?	See original submissions for examples	23-Jul-18	**13**	
IU81	Which criteria should be met to diagnose hyperacusis in adults/children?	See original submissions for examples	23-Jul-18	**14**	
IU14	What is the most effective treatment approach for hyperacusis in adults?	See original submissions for examples	23-Jul-18	**15**	

IU69	Is hyperacusis related to physical changes in the ear or brain?	See original submissions for examples	23-Jul-18	**16**	
IU60	Is there an association between hyperacusis and other ear-related conditions (e.g. superior canal dehiscence syndrome, Meniere's, Waardenburg syndrome, vertigo, vestibular migraines)?	See original submissions for examples	23-Jul-18	**17**	
IU71	What area(s) of the brain and patterns of activity is/are associated with hyperacusis?	See original submissions for examples	23-Jul-18	**18**	
IU58	What is the relationship between mental health and hyperacusis?	See original submissions for examples	23-Jul-18	**19**	
IU80	What is the best way to differentiate hyperacusis from other hearing conditions (e.g. recruitment, misophonia, Meniere's, tinnitus)?	See original submissions for examples	23-Jul-18	**20**	
IU20	What care is most effective for recent onset/acute hyperacusis?	See original submissions for examples	23-Jul-18	**21**	
IU50	Can noise exposure cause hyperacusis (or make it worse)?	See original submissions for examples	23-Jul-18	**22**	
IU82	What are the 'red flags' for serious underlying conditions in hyperacusis?	See original submissions for examples	23-Jul-18	**23**	
IU54	What is the association between hyperacusis and dementia?	See original submissions for examples	23-Jul-18	**24**	
IU43	Does avoidance of sound improve hyperacusis or make it worse?	See original submissions for examples	23-Jul-18	**25**	
IU70	Does nerve damage cause the pain associated with hyperacusis?	See original submissions for examples	23-Jul-18	**26**	
IU59	Is hyperacusis linked to other sensitivities/conditions?	See original submissions for examples	23-Jul-18	**27**	
IU34	Would restoring hearing (e.g. regenerating nerve cells) improve hyperacusis?	See original submissions for examples	23-Jul-18	**28**	

CODE	INDICATIVE UNCERTAINTY	ORIGINAL UNCERTAINTY	SOURCE OF UNCERTAINTY									EVIDENCE			
			Contributing raw submissions	Healthcare professionals	Patients	Parents	Carer	Family/ Friends	Education	Other	N/A	Why is there uncertainty?	Systematic reviews that need updating or extending	Evidence from other reliable sourses (guidelines, scoping reviews)	Ongoing/completed controlled trials
IU1	Are there different meaningful types of hyperacusis?		31	9	16	2	1	0	1	1	1	No systematic reviews, scoping reviews or guidelines identified.			
		Could current healthcare services be improved by providing a clearer definition of diagnosis for people who experience sensitivity to sound at any one time ie ear problems vs psychological problems		X											
		Is there a universal definition of hyperacusis?		X											
		Are there any subtypes of hyperacusis?		X											
		when are most effective ages for intervention		X											
		A lot of people [with normal hearing] find certain noises quite unpleasant eg, the scraping of chalk on a blackboard/ sound of rubbing on a balloon/high pitched screeching - is hyperacusis simply an even greater sensitivity related to the same cause ?							X						
		Do different causes result in different mechanisms of hyperacusis?			X										
		Is hyperacusis in that sense just a symptom (like a cough) rather than a condition in its own right?			X										
		3. Would the field (and patients) benefit from widening the subcategories (e.g. with or without tinnitus; with/without reactive tinnnitus; with or without pain...)? That might aid in studies as well as developing treatments that work better in some types of patients		X			X								
		how to separate true hyperacusis from startling and being frightened by noise									X				
		The LDL test is outdated and basically diagnose everyone with some DST with hyperacusis when in fact there probably are several different forms of DST (not just hyperacusis, misophonia and phonophobia). Instead, the patients should describe their symptoms and from there be put in different arouos of different diaenosis.			X										
		The biggest question of all is where you got that 8% number and why on earth someone thinks it would be productive to continue to lump someone was sound sensitivity in with people who have pain from every day sounds. I think we should focus on a specific definition and come up with a number that's real which is nowhere near 8% and probably nowhere near 1%.			X										
		I would like to know what it is about this small group of children which makes them so resistant (personality, genetics, damage within the auditory system) to treatment. Answer to this question may also give us insight into the underlying mechanisms, identify at the outset children who may not be candidates for treament options we currently have available and to look for other ways of helpine these children.		X											
		When a child had hyperacusis is there a difference in severity with different syndromes and developmental age				X									
		How can be better characterize the sub-types of hyperacusis?								X					
		How many variations of Hyperacusis are there - and what are their characteristic symptoms?			X										
		It would really help me if my sons diagnosis in some way quantified what he experiences - so could they give a grading of the condition?			X	X									
		Why can't we have a consistent definition of hyperacusis, and perhaps categories that are very specific, separating hyperacusis with pain from other conditions?			X										
		What are the underlying mechanisms of hyperacusis and are they different depending on the cause? It seems quite likely that for some it originates in the nerves, for some the ears, and for some the brain. We need to determine the physical underlying mechanisms and how they might differ from one person to the next and maybe even affect how it should be treated.			X										
		Why do we continue to allow people to have such varied definition of hyperacusis, and interchange the terms hyperacusis, phonophobia, misophonia, and sound sensitivity? There need to be specifications such as "pain on two or more frequency is below 90 dB", to prevent some of the terrible things the practitioners do that harm their patients.			X										
		Well first I don't believe you can answer any questions about the management of hyperacusis without defining it and having everyone working with the same definition. I think you have to precisely define hyperacusis and then I understand that there are likely five or six different types from different underlying mechanisms.			X										
		One question might be, "how does hyperacusis caused by a rear end car accident differ from hyperacusis caused by noise, in terms of the physical mechanisms involved and how they might be mediated.			X										
		overlap between different pathologies		X											
		What common factors do sufferers from Hyperacusis have, that could point to a cause?			X										
		Difference between loudness discomfor, dysacusis and hyperacusis		X											
		How can you prevent somethine that is still so unclearly defined			X										
		Should hyperacusis be categorised diffenently based on its underlying causes rather than assuming they're all related? (ie is the symptom beine mistaken for the cause?)		X											
		5. Would new, more direct terminology for hyperacusis, separate from tinnitus terminology, improve clinician, public, and patient understanding of the condition? Ear pain and lasting injury sensations (whether or not it is to actually damage) are described with more pleasant words such as "kindling", "winding up" and "bad days." Misophonia (classically a congenital condition with a primary complaint of rage from specific sounds) is used to describe discomfort or pain from aversion to sound. However terminology used for chronic pain may be more appropriate for this phenomenon as discomfort/pain is often the primary complaint, not emotion.			X										
		1. Should there be an increase in the breadth and dimensions of hyperacusis subcategories in order to aid mechanism research that may lead to targeted treatments? Pain, for example, has many subtypes and the dimension of setbacks seems very helpful to consider.			X										
		Are there different types of hyperacusis that require different approaches to treatment?			X										
IU2	Does diet have an effect on hyperacusis?		17	5	9	0	0	3	0	0	0	No relevant systematic reviews or guidelines identified. Relaible up-to-date scoping review revealed some evidence for continuing uncertainties about effects of diet.		Fackrell, K., Potgieter, I., Shekhawat, G. S., Baguley, D. M., Sereda, M., & Hoare, D. J. (2017). Clinical Interventions for Hyperacusis in Adults : A Scoping Review to Assess the Current Position and Determine Priorities for Research. *BioMed Research International , 2017* . https://doi.ore/10.1155/2017/2723715	
		does vitamin difficiency cause hyperacusis		X											
		Do supplements reduce the incidence of hyperacusis?		X											
		what can influance the onset of hyperacusis? Alcohol		X											
		I've noticed I can't eat certain things or drink certain things without a guaranteed flare-up where everything becomes so very much worse. What should be avoided, and why do those foods cause flareups? For me I've noticed cherry pop, tea, garlic, chipotle / Qdoba, curcumin, Advil All make my ears break into horrible impromptu sessions of majorly intensified hyperacusis with pain. An hour to six hours after consume			X										
		After taking ASTA FX for about three weeks most of the symptoms I had for four years were mostly alleviated. Astaxanthin is the main ingredient. Can more research be done on this and the word spread about treatment?			X										
		does caffeine cause hyperacusis?						X							
		Does citrus flavinoids help or hey, just the rind of the lemon?						X							
		Can reducing caffeine, for example, help reduce hyperacusis?						X							
		Do flavonoids helo?			X										
		Can diet helo to prevent hyperacusis develosine?													
		Can avoidine alcohol and caffeine helo?			X										
		Does nutrition and diet have a role in the cause of hyperacusis?			X										
		Can hyperacusis be prevented with diet and nutrition?			X										
		Can hyperacusis be prevented with eood hydration?		X											
		Do anti-oxidant foods helo prevent hyperacusis?		X											
		Does diet affect hyperacusis?			X										
		Are the dietary recommendations?			X										
		Does certain things I.e smoking,drinking alcohol,illegal drug use,eating certain foods make this condition worse,			X										
IU3	Does exercise/physical activity have an effect on hyperacusis?		3	0	1	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Are there a preventative measures (lifestyle, diet supplements, exercises, etc.) that I can adopt to reduce or eliminate the incidents of hyperacusis?			X										
		How does regular ohvsical activity helo?			X										
		Can exercise helo to prevent hyperacusis developing?			X										
IU4	Are online treatments effective for hyperacusis?		12	6	6	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		How useful /effective is online treatment for hyperacusis?		X											
		Is there online CBT desiened for people with hyperacusis that has been shown to work?		X											
		Could I eet helo treatment on line without eoine into a Hospital		X											
		Anv apps?		X											
		we mainly use hearing therapy, but tinnitus has recently moved into the world of apps and self care, would there be any scope to do this for hyperacusis?		X											
		Could an App be developed that allows people to perform a self test and to send the results for analysis.			X										
		Could cognitive behavioral therapy with doctors who are experienced in treating hyperacusis be offered and effective via internet?			X										
		More research into online or apps based self help for younger people		X											
		Can they do treatment long distances?			X										
		2. Would online treatment and patient navigation improve aggregate patient outcomes and minimize negative clinic experiences? Office visits themselves can cause discomfort, pain or setbacks for hyperacusis patients that can be compounded by an inexperienced clinician.			X										
		Can mobile phone apps be used to manage hyperacusis?			X										
		Can mobile phone apps be used to manage hyperacusis for people outside of cities			X										
IU5	Which interventions in a school setting are useful for children with hyperacusis?		22	8	1	8	5	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		What interventions work best in helping children to continue to learn and cope with noise in the classroom?				X									
		Should children with hyperacusis receive any additional support or accommodations at school?				X									
		What training is given to school staff about hyperacusis?				X									
		2) What information can be given to schools?		X											
		Should we target nursery/primary/secondary education establishments?		X											
		School are at a loss - simply doesn't cope in classrooms and defends nearly constantly. When moving between classrooms he has been observed dropping his hands. His hyperacusis seems to also cycle in terms of his severity with his mood.				X									
		How can schools help?		X											
		Are schools too noisy?		X											
		distress caused by hyperacusis in the classroom					X								
		what adjustments are being made in contemporary UK classrooms in response to hyperacusis diaenosis					X								
		how effective are those (in contemporary UK classrooms) adjustments?					X								
		what classroom adjustments do children with hyperacusis find helpful?					X								
		How can schools help/be better educated to support the child in school during the treatment of a child with hyperacusis?		X											
		Does positive empathetic support in school improve/speed up treatment outcomes.?		X											
		what can a child expect a school to do in order to make it easier to cope with acute hearing?			X	X									
		how can you best manage hyperacusis in schools?		X											
		Could schools have school nurses advising on this?				X									
		More support within the education system and school environment, which can be very noisy most of the time, including teaching staff refraining from shouting in class				X	X								
		Role of educating school nurses in managing hyperacusis, does this improve outcome for children?		X											
		How to better education schools?				X									
IU6	Which hearing aid settings (for managing hearing loss) are safest for people with hyperacusis?		10	0	9	0	0	0	1	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			

		Can hearing aids be specifically programmed to give sufficient appification, while at the same time limiting exposure to type/level of sound which cause problem ?							x					
		Any hearing aid assistance that is comfortable to the ear, and any other method that can reduce sound to a manageable level.			x									
		Can hearing aids/wearables not be adapted specifically to address HA eg compression/limiting. (My own approach is to switch off my aids in loud environments so benefitine from the occlussion orovided by the RIC)			x									
		Does wearine hearine aids increase likelihood of developine hvperacusis?			x									
		Could a form of hearine aid designed to level out sound levels reduce the impact			x									
		Can there be a hearing aid that has some kind of built-in equalizer so that certain frequencies can be lowered/adjusted before thev reach ears?			x									
		Is it possible to develop clear guidelines for audiologists on how to set up hearing aids for people with hyperacusis?			x									
		Can hearine aids have some device that responds QUICKLY to sudden changes in volume?			x									
		I think hearne aid technology needs to focus on better management of peak volume.			x									
		I would like to see an improvement in the HNS hearing aids to make them fit more securely and therefore cause less distortion of the sound.			x									
IU7	Are hearing aids (for managing hearing loss) an effective treatment for hyperacusis?		10	1	9	0	0	0	0	0	0	No relevant systematic reviews identified. Reliable up-to-date scoping review has revealed important continuing uncertainties about treatment effects.		Fackrell, K., Potgieter, I., Shekhawat, G. S., Bagsiey, D. M., Sereda, M., & Hoare, D. J. (2017). Clinical Interventions for Hyperacusis in Adults : A Scoping Review to Assess the Current Position and Determine Priorities for Research. *BioMed Research International* , *2017* . https://doi.org/10.1155/2017/2723715	
		Can hearing aids actually make HA worse by over amplifying?			x									
		Do hearing aids with maskers(to cover tinnitus) hurt or help hypercusis?			x									
		1.Does a hearing aid help by increasing the external noise so reducing the internal noise ?			x									
		is hyperacusis helped by wearing hearing aids?			x									
		Can hyperacusis be improved with hearing aids?			x									
		Do hearing aids make it worse to cope with at night when aids are out?			x									
		Do hearing aid fittings early enough help with hyperacusis?		x										
		Does quality of hearing aid have an effect?			x									
		I have very mild hearing loss, I didn't notice my hearing loss but was only made aware of after taking a hearing tear. Could I still benefit from a hearing aid in terms of my sever hyperacusis?			x									
		Many current hearing aids seem to be focussed entirely on improving communication, and are difficult or impossible to set up in a way that is optimised for people with hyperacusis; could this situation be improved by setting up a review and analysis framework for audiologists, patients and manufacturers?			x									
IU8	What are the precautions that a dentist should use for their patients who have hyperacusis?		3	0	3	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Desperate need for ways to enable those with hyperacusis to survive dental work without further injury.			x									
		Dentist drills and hygienist tools are very hard to cope with.			x									
		In what ways can we alter dentil treatment to make the experience less painful for those suffering from hyperacusis?			x									
IU9	Which hyperacusis self-management techniques help to cope with invasive procedures (e.g. having dental work)?		2	0	2	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Does focus on other sound, for example music, lessen the mental pain of dental drilling? (Which is worsened by wearing ear plugs!)			x									
		What self-management techniques are possible for people with hyperacusis to cope with dental treatment or other invasive procedures?			x									
IU10	Which health professionals should work together to provide the best care for adults with hyperacusis?		52	21	23	4	0	1	1	1	1	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Is a MDT (multidisciplinary approach) approach required in managing Hyperacusis?		x										
		point of access is significant the earlier the patient is given the information the better the outcome		x										
		Where should treatment be delivered		x										
		Is a neurologist better placed to provide care than ENT / audiology?									x			
		2) How should healthcare services be most effectively organised to provide support and care for children/adults with hyperacusis?		x										
		How many patients country wide (UK Wide) have been helped by their local Audiologist's		x										
		Who should be providing this care?		x										
		Can audiologists refer patients to these services (after care services and support gps)?		x										
		Is care provided within audiology better than within mental health or is both needed?		x										
		Current healthcare services are not responsive to the needs of people with hyperacusis. It needs more research to understand the basic processes and then to identify how diagnosis and management can be effectively implemented systematically		x										
		Is care better provided by GP/in the community or by ENT in hospitals?			x									
		Mental health care may be better than medical care for sufferers as hyperacusis can be quite disturbing or frightening.			x									
		Would greater understanding and communication between professionals improve hyperacusis?		x										
		Is there a multi disciplinary approach to diagnosis, to rule-out other disorders!			x									
		I know that GPs are meant to "triage" but could services be improved by having a "hearing health" triage for hearing issues?			x									
		How to find/identify health care providers with expertise in this field?		x										
		Who is the best specialist to give this diagnosis?			x									
		Can hyperacusis be managed better in audiology?			x									
		Is management provided by audiologist effective?			x									
		Pathway to identify and a clear pathway to support.			x									
		Is care determined by a consensus of multi disciplined hearing professionals better than a sufferer seeing different health care professionals for different hearing and balance problems?			x									
		Could healthcare be inprived by referring people to counselling services immediately when diagnosed?			x									
		Is it better to see an Ent consultant or an audiologist?			x									
		should there be a joint-psychology/ audiology approach to managing hyperacusis?- this would enable both audiological and psychological management to go side by side as after all in most cases significant hyperacusis has both elements audiological and a psychological.		x										
		What healthcare services most benefit people with hyperacusis		x										
		Should go's and ENT consultants work more closely with audiologists to learn about hyperacusis?			x									
		Is care provided by audiologists better than care provided by ENT consultants?			x									
		Can audiologists help rehabilitate patients with hyperacusis?		x										
		Would the availability of specialist counselling help?			x									
		Is care provided by my local doctor better than the care from my hearing specialist. To be honest my doctor has never asked me about it!could special units be set up to			x									
		Which specialty is best placed to provide holistic care for patients with hyperacusis?								x				
		Psychologist vs Hearing therapist/ audiologist?							x					
		Can healthcare improve by hearing therapy experts available at every team?		x										
		Can audiologists deal with hyperacusis?		x										
		Could improvements be made to provision of hyperacusis services by employing more specialised counsellors within Audiology Services		x										
		What type of specialist can diagnose or treat hyperacusis?			x									
		Is care provided through therapy better than care provided by GP's?			x									
		Is care provided by a hearing therapist better than a practitioner of CBT with knowledge of hyperacusis and tinnitus?			x									
		What type of clinicians are the most successful in the treatment of people with hyperacusis?			x									
		should hyperacusis be managed within a multidisciplinary team?		x										
		Is a neuro-otologist better equipped to handle hyperacusis than otolaryngologists?			x									
		Who should they refer them to initially?		x										
		What is the best streamlined pathway for a patient presenting to audiologist/GP with hyperacusis? or hyperacusis +/- hearing loss.		x										
		What type of healthcare professional is most qualified to treat a person with hyperacusis?			x									
		How could sufferers be better referred to treatment options.			x									
		I would liek to know if there is a care pathway for adults who have hyperacusis and where this is.				x								
		What healthcare services are provided, or should be provided?				x								
		who to refer to		x										
		Is there some other care other than audiolgey appointment once every 6mths/annually?				x								
		do we need a better network of people / clinicians who manage hyperacusis - measuring real patient oytcomes						x						
		If the current healthcare services ie: Audiologists and otologist and neurotologists who come across this condition can we get better healthcare for the Hyperacusis patient.				x								
		How to make it easier to see ENT specialist?			x									
IU11	Which health professionals should work together to provide the best care for children with hyperacusis?		7	5	1	1	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		2) How should healthcare services be most effectively organised to provide support and care for children/adults with hyperacusis?		x										
		Should children with hyperacusis be supported by audiology or occupational health?		x										
		Who should assess these children?		x										
		Role/make-up of dedicated paediatric tinnitus and hyperacusis clinics		x										
		Could current health care arrangements be improved?			x									
		I would like to know if there is a care pathway for children who have hyperacusis and where this is.				x								
		Is current provision effective in managing hyperacusis? If not, how could it be improved		x										
IU12	Is private healthcare for hyperacusis more effective than NHS usual care?		3	0	3	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Is care provided privately better the care provided by the NHS?			x									
		Would it help to have patients with hyperacusis referred to their local public hospitals rather than private outpatient clinics?			x									
		Are non private treatments as effective as private treatments?			x									
IU13	Which strategies would make services more accessible?		3	1	2	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Could current care services be more accessible?			x									
		How can we improve our services for patients with Hyperacusis if we are in an area where we have to make savings on the year before's financial outlay on a yearly basis when demand on our service increases?		x										
		Why does it take so long to be referred when suffering from hyperacusis?			x									
IU14	What is the most effective treatment approach for hyperacusis in adults?		132	50	63	10	1	1	1	2	4	No relevant systematic reviews identified. Reliable up-to-date scoping reviews have highlighted the evidence of different treatment effects and revealed important continuing uncertainties about treatment effects.		Fackrell, K., Potgieter, I., Shekhawat, G. S., Bagsiey, D. M., Sereda, M., & Hoare, D. J. (2017). Clinical Interventions for Hyperacusis in Adults : A Scoping Review to Assess the Current Position and Determine Priorities for Research. *BioMed Research International* , *2017* . https://doi.org/10.1155/2017/2723715	
		Is care provided by psychotherapy better than care provided by Audiologists		x										
		What is the best treatment, if any, for hyperacusis?			x									
		Is there an identified Hyperacusis care pathway in place in the UK?		x										
		What treatments are effective for hyperacusis?		x										
		What management strategies are effective?		x										

should we be treating hyperacutics as a whole person rather than an end organ - this involves more time and is highly specific to the individuals experience so needs a very experienced clinician		x							
Guidelines for treatment and who can deliver		x							
how do you determine an asssociate manaement		x							
What is the efficacy of the current treatment strateeies?		x							
Who should first assess patients suspected of H?									x
What treatment is likely to have the greatest impact? ie relaxation. sound enrichment etc.		x							
Is there a need for peer review aroup sin the treatment of hyperacusis to share best practice		x							
Who assesses whether you have hyperacusis?				x					
Are there national auidelines to comoletine assessment and manaeement		x							
best oractice evidance develoved		x							
how lone would treatment take?		x							
Which manaements of hyperacusis are proven to have benefit?		x							
protocol development for clinical use perhaps		x							
What is the most effective way to manage hyperacusis. live with. habituate to. treat and alleviate		x							
Does exposure to loud music improve hyperacusis?									x
How is dealing with hearine loss and hyperacusis best managed in the early staees of diaenosis		x							
What after care services/support groups are provided to hyperacusis patients?		x							
Could audiology healthcare services be further improved to address anxiety and learnt behaviour cycles by having access to referral services to a psychologist first for CBT for mild-severe cases of hyperacusis? Then further audiological assessment and intervention?		x							
I would like to know if there will be development of a hyperacusis protocol for audiologists to follow a gold standard of best practice. when seeine hyperacusis patients - adult protocol?		x							
How can this condition be better manaaed bv the patient?		x							
Can theraov tareetine anxiety improve hyperacusis?		x							
Can there be a movement toward develooment of auidelines for manaeement?		x						x	
how cbt theraov could be applied?		x							
how anxiety theraov could be applied?		x							
how act theraov could be applied?		x							
We do not currently have a firm strategy for dealing with hyperacusis in adults and children in the service - we need an agreed national approach to treatment/ management		x							
I have had neither support nor care so wouldn't know where to start other than ,it would be great we're there care and support . A GP I spoke to recently told me that the local hospitals had requested that T and H patients not be sent to them as there was nothing they could do for them.			x						
Does treating CIRS improve the hyperacusis?			x						
As with diagnosis, if a significant percentage of hyperacusis sufferers have CIRS, does treating CIRS improve hyperacusis?			x						
What treatments can help people with hyperacusis			x						
What treatments/management strategies help and by whom									x
What is the best treatment.			x						
Standard procedure as it seems very hit and miss			x						
What are the effective treatments for hyperacusis?		x							
What is the best care and treatment for hyperacusis?		x							
What treatment improves hyperccusis			x						
What are the most effective treatments for hyperacusis?			x						
What is the most effective supoort and care for oeoole with hyperacusis?			x						
The most important questions are: 1. What are the most effective treatments for hyperacusis? We need to have set criteria for the diaenosis of hyperacusis.			x						
What is the most effective way to manaee hyperacusis?			x						
What is the best model of oraanisation of support and care of people with hyperacusis?			x						
Is self manaeement better than usine white noise aenerators in children		x							
How can I treat hyperacusis?			x						
How can I treat hyperacusis?									x
What does the current evidence suaeest are the most effective methods of manaeine hyperacusis		x							
What does help? What doesn't help?		x							
Depression and anxiety are overwhelming, all sounds are too loud. How to avoid phycholopical issues tied to auditory issues?			x						
Can we development treatments that work quickly?			x						
What treatments actually work?			x						
What treatments are effective for hyperacusis?			x						
Does my GP know how to treat hyperacusis?			x						
Is it more effective than self-management?			x						
What is the best way of managing hyperacusis?			x						
What can sufferers put in place to moderate the effects?			x						
What can be done to help? and does it help? How?			x	x					
Are there other ways to manage hyperacusis alongside wearing white noise generators?			x						
Is care provided by counselling/psychology better than wearing white noise?			x						
Why is habituation not effective for all experiences of hyperacusis?			x						
what is the best way too not be afeected to this hell?			x						
what treatment is best. if anv			x						
Are oxycholoaical treatments more effective than medical ones?			x						
Can hyperacusis be treated with medicine or is the treatment solely oxycholoeical?			x						
What is the best and most effective form of treatment?			x						
how to manage hyperacusis, give patients realistic expectations about the length of treatment, how beneficial it may be and what can be done if it is not successful.		x							
Is there a way to prevent it or just manage				x					
If someone is also suffering from tinnitus, does a combination of improving tinnitus alongside hyperacusis work?						x			
Do anv treatments worsen condition?			x						
What are the manaeement options for children and adults?		x							
How successful are the manaeement options?		x							
How is best to manage it?				x					
What's the best source of support?				x					
What helps the most?				x					
Are there any successful treatments for hyperacusis?		x							
What percentage of people respond to management		x							
What evidence exists that the various treatments lead to better outcomes for patients?			x						
Does conditioning improve hyperacusis and how long does it typically take?			x						
And does hyperbaric oxygen work? Some say not.			x						
What treatment would help with those with hyperacusis caused by migraine?		x							
If one does get better from Hyperacusis, how do they ensure they stay better and not regress?			x						
I have tinnitus as well what treatment is appropriate			x						
More research into what actually helps hyperacusis but also online or apps based self help for younger people		x							
What treatments are most effective?			x						
How well do these (rehabilitation an self management technique) work vs WNDs			x						
When will there be a health care standard for treating hyperacusis?		x							
Whats the best management strategy		x							
Some evidence of hyperacusis management being effective and which aspects		x							
How do you convince a patient (adult or child) to participate in management strategies as most want a quick fix?		x							
If no specific treatment has still been found, what can make the sound level sensitivity at least more acceptable? - Wearing musical ear plugs helps a lot in many situations where we do not control the sound environment (street, public transportation, parson exclamations, etc), but it is not a solution.			x						
What treatment can improve hyperacusis?			x					x	
Is there any proven effective treatments?			x						
Development of standardised treatments and pathways.		x							
What assistive device is might be available to help people with true hyperacusis with pain?			x						
how can we make people with hyperacusis more comfortable and have better and more productive lives, living with their hyperacusis?			x						
Why is there still no accepted holistic model of shared care across the medical/para-medical spectrum for hyperacusis			x						
Is support offered by medical services to treat the individual better than that offered by councils which deal with the source of excessive noise			x						
Best practice guidelines for provision of service for patients with hyperacusis		x							
Are any of the techniques currently prescribed actually effective over and above placebo?		x							
Is sound therapy really the default option for dealing with this condition ?			x						
If both of these are effective, how long should sufferers continue with the treatment?			x						
Are there any treatments that improve hyperacusis?			x						
Could anv device to be made to treat hyperacusis?			x						
1. Does accommodation of patient requests to family and employers impact treatment outcome?			x						
What is the most effective and efficient treatment for hyperacusis?		x							
How do clinicians assess the improve of hyperacusis and the specific nature of an individual sufferers condition?			x						
What are the most affective treatments?			x						
Can episodes of hyperacusis be reduced in freauency?			x						
Does treatment improve hyperacusis?			x						
What treatments improve hyperacusis?			x						
Is it only diagnosed verbally. by what patients tell you?			x						
Are there any other ways of manaeine it that eases the wild fluctuations?			x						
What treatments are available?			x						
Current research would suggest that treatment can be ineffective and potentially damaging. What devices are available to alleviate the symptoms.			x						
How sufferers would be expected to work alongside the medical proffesion,what drugs,therapy could we expect as individuals to be given to us and an explanation on how these may work to try to alleviate the symptoms on a day to day basis			x						
Which current management has been shown to improve hyperacusis?								x	
It is now a case of managing his anxiety, assisting him with challenging, sudden sounds, and allowing him to explain when he is overwhelmed (sometimes a while after the event). He says to new people he "hears everything the same" and this is a real challenge for others to understand.. but he explains it well by saying his volume receptor is set to max! What other treatments work?				x					
what treatment works best			x						
What has helped those with the condition to manage it?			x						
What kind of therapy would be available to help to desensitise people with the condition, or coping strategies given to help to live with it.				x	x				

		What treatment/s are effective?		x										
		How can we compare counselling and sound therapy to CBT in the treatment of hyperacusis?		x										
		Which treatments have been proven to help, and how do they help				x								
		how best to treat		x										
		Does treatment of any sort really improve Hyperacusis?				x								
IU15	How should hyperacusis be assessed in different populations?		171	62	83	8	4	2	4	4	4	No relevant systematic reviews, scoping reviews or guidelines identified.		
		can we really establish using PTA?		x										
		what diagnostic testing can indicate the presence of hyperacusis and how reliable is this		x										
		In what way should sensitivity to sound be assessed when a child is first diagnosed on the autistic spectrum?				x								
		When should sensitivity to sound be assessed when a child is first diagnosed on the autistic spectrum?				x								
		Are there any specific characteristics on hearing test associated with hyperacusis?		x										
		What is best way to diagnose hyperacusis - does it relate to cause and risk factors - is there more than one way?		x										
		we need protocols for testing and categorising the degree of hyperacusis		x										
		How to evaluate hyperacusis and diagnose and of course treatment guidelines. This two combined for autism too		x										
		How to evaluate hyperacusis and diagnose and of course treatment guidelines. This two combined for autism too		x										
		how do you determine the severity of hyperacusis and therefore appropriate management		x										
		Should an MRI be done to diagnose reasons for it?									x			
		How do clinicians check for hyperacusis in adults?		x										
		Is the measurement of ULLs (with caution) a possible method?		x										
		If so should stimuli other than pure tones be used?		x										
		Is there a standard outcome measure for both children and adults?		x										
		How accurate are present assessments?							x					
		What evidence based test battery is available		x										
		How can we differentiate hyperacusis from normal behavioural development (i.e. dislike of loud sounds such as hand dryers) in young children?		x										
		Is there a functional test other than "talking" which could be used to test babies and toddlers who show adverse reactions to sound?		x										
		Number of ENT Consultants with the knowledge of diagnosing and treatments available		x										
		What audiological test battery can be used by audiologists to detect hyperacusis and help monitor progress or regression in their patient's follow up consultation sessions?		x										
		Can standards for case history taking and questions be developed?		x					x					
		Could there be greater clarity for ent clinics about the top 3 diagnosis tools for hyperacusis?		x										
		Suggestions to key questionnaires among clinicians assessing patient experience?		x										
		Reliable, repeatable tools to measure the impact of hyperacusis		x										
		Can LDL tests cause harm?			x									
		1. What objective tests should be tried to support and quantify a diagnosis (of course, these tests shouldn't make the patient uncomfortable or risk further injury)? These might be genomic, epigenomic, or functions along the peripheral and central pathways		x			x							
		2. Hyperacusis is generally diagnosed with pure-tone LDLs, but many patients say that they are intolerant of complex sounds (like crumpling paper or machines) at far lower dB than they are of pure tones.		x			x							
		4. Standardizing the LDL test – how much do we know about the concordance between audiologists (or same audiologist on different days)? For example, do all audiologists give the exact same instructions on what constitutes 'discomfort level?' If not, what's the consequence of that for diagnosis and treatment?		x			x							
		What else can be done to test for hyperacusis & its underlying causes besides questions & a hearing test?			x									
		I think any hyperacusis assessment should include different types of sound - in my case, clanging sounds.			x									
		Coming initially from the world of functional neurological disorders/conversion disorder due to additional movement disorder symptoms in addition to sensory sensitivities (before being diagnosed with stiff person syndrome), how do we ensure that people who have hyperacusis aren't just chalked up to psychogenic illness/conversion disorder and left without treatment?			x									
		I am not aware of any diagnostic criteria or tests specifically aimed at HA. Its seems to be whether you flinch at loud sounds during pure tone audiometry.			x									
		Does anyone assess for hyperacusis?			x									
		what methods can be used in hospitals for checking?			x									
		How can I be assessed for hyperacusis as it affects me intermittently and is not a constant disturbance?			x									
		Can we discontinue the ULL nationally please		x										
		Needs some kind of scale			x									
		hoe do clinicians check for hyperacusis in adults?		x										
		Are neurological, -nervous system, psychological as well as the physiological taken into account?			x									
		how is it diagnosed? Sensitive hearing is misinterpreted as better hearing.						x						
		How is hyperacusis diagnosed in adults?			x									
		2. How is hyperacusis diagnosed?			x									
		How do you measure it?			x									
		How many ways to assed or diagnose the hyperacusis do exist in the word and which are the most reliable?			x									
		The odds of having a hyperacusis incident while I'm at a doctor's or audiologist's office is pretty low. How can they assess it if I'm not having an incident?			x									
		I know my son has huge auditory processing issues, but which elements of this show it's definitely hyperacusis he lives with. I wish I knew more about the context of his issues.				x								
		I didn't even know hyperacusis is assessed... I went to several ENT doctors who didn't even mention hyperacusis! It might be good to be able to assess the severity level of one's hyperacusis, e.g. for disability benefits or simply to raise awareness for this condition.			x									
		Is there any test that could confirm the presence of the hyperacusis in an objective way?			x									
		Is it possible to diagnose someone with hyperacusis without playing loud sounds in their ears using tone audiometry?			x									
		Is it possible to objectively measure hyperacusis, regardless of hearing loss or tinnitus?			x									
		How do clinicians measure the severity of a patient's hyperacusis? I went to several ENT doctors and not one of them even mentioned hyperacusis.									x			
		How can you check for Hyperacusis ? Any sound assessment would cause an episode of H. Surely you have to take a patients word for it...!			x									
		Measure stress hormone levels								x				
		assess sleep profile of patient.								x				
		Are there any tests that can be performed to confirm or rule out hyperacusis?		x										
		Are there any tests that can be performed with consistent results that would demonstrate improvement in hyperacusis?		x										
		Or is the patient's history the best method of diagnosing hyperacusis?		x										
		What Questionnaires or outcome measure would be recommended that would measure impact of hyperacusis and demonstrate improvement?		x										
		How can is be diagnosed?			x									
		How is it diagnosed accurately?		x										
		How is it diagnosed, it has to be measurable for treatment but how do i communicate the level of discomfort?			x									
		How can hyperacusis be diagnosed and recognized as a true medical condition so insurance will cover treatments? Many treatments are considered "experimental" and so are not covered.			x									
		Are there tests that can be developed to clinically and objectively diagnose hyperacusis to prove that it's not just "all in your head?" (purely psychological)			x									
		How is hyperacusis measured?			x									
		How is hyperacusis diagnosed?			x									
		What is the best test to diagnose hyperacusis?			x									
		How is it diagnosed?			x									
		There does not seem to be a specific tool for identifying hyperacusis, and could there be some research to look at this.		x										
		is there a test for it?			x	x								
		Could a test for hyperacusis please be included as part of a routine hearing test?			x									
		How can clinicians test for hyperacusis in children or adults without causing a lot of pain during the following days or even weeks?			x									
		As mentioned - it's not an issue of static sound levels - it's auditory change. How you could build in an assessment of response to dynamic change?			x									
		How is it diagnosed?			x									
		Is there any formal test eg incorporating calibrated sound? and recording the brain's reaction to sound in cases of hyperacusis?			x									
		An audiology test could be used to see if there is hyperacusis			x									
		How do audiologists check for hyperacusis in adults?			x									
		How accurate is hospital assessment in detecting hyperacusis?			x									
		What findings do specialists base their diagnosis of Hyperacusis			x									
		What is range of normal? (lots of small children don't like hairdryers etc - when does this become more severe		x										
		How to assess suicide risk in patients with tinnitus and hyperacusis?		x										
		How to diagnose it?			x									
		Why are there not more adequate tests for noise sensitivity observations in special needs school as observing in a controlled environment gives you a false report on there behaviour and sensitivity. When school report they see no hyperacusis at school and parents report mass tantrums in public places the only opinion that matters it the school in an EHCP plan				x								
		Of the children reporting hyperacusis- which should be referred for hyperacusis management and at what stage?		x										
		Can Uncomfortable loudness levels of less than 80dB be used to diagnose hyperacusis?		x										
		What are "normal" sound tolerance levels		x										
		How should clinicians check/ accurately measure for hyperacusis in adults and children		x										
		What tests are most consistent in assessing hyperacusis.			x									
		What tests are available that would distinguish someone who experiences the condition compared to someone that does not?			x									
		Is hyperacusis subjective can it be measured by a decibel monitor?			x									
		Does assesment cause extra stress in severe cases?			x									
		There is the need for a standard protocol. Perhaps a clinical assessment might be best, rather than exposing clients to noises. Or serhaps a questionnaire about sensitivity to noise might add clinical diagnosis.		x	x				x					
		Are tests of loudness perception of any value in hyperacusis?		x										
		How is severity of hyperacusis determined when it appears to vary from time to time?			x									
		Can a test be developed to diagnose hyperacusis objectively (without a patient answering questions)?								x				
		Can a patient be exposed only to moderate sound levels (e.g. 70dB) to diagnose hyperacusis?								x				
		How accurate are loudness discomfort levels? The measure used by tinnitus/hyperacusis practitioners.			x									
		How does the diagnosis take into account all of the multitude of symptoms?			x									
		Is there a specific questionnaire that could be developed?							x					

		Lots of children have problems with some noises (e.g. hand dryers in bathrooms) which are normal - how do we assess those who are having difficulties and need intervention.		x										
		should or should we not do ULL to assess as it can make pt anxious etc - agreed literature for pt with hyperacusis		x										
		How is it actually formally diagnosed?			x									
		a treatment that works i.e. pre and post questionnaires that shows a benefit		x										
		Is there a specific clinical questionnaire I can use to assess the severity of hyperacusis / recommendations on how to act dependnig on severity?		x										
		What standard series of questions should be asked to diamose hyperacusis ?		x										
		How can we measure the sensitivity		x										
		should ULLs be abandoned in the test battery.		x										
		Is there any scientific test that shows the signs of hyperacusis and help to precise the diagnostic without exposing too much to sounds difficult for an hyperacusic person?			x									
		Is there an objective way for a specialist to observe the moments when my hearing goes distorted when I am in noise?			x									
		Most effective way to assess, develop a questionnaire that is well normed		x										
		Is there a unique test for this ? What is it?			x									
		How do people access them?				x								
		Best practice - assessment techniques - evidence-base Do UCL/LDL have any role ?		x										
		Role of VAS/Questionnaires in assessing response to treatment		x										
		How can hyperacusis be proven to an objective standard			x									
		How is hyperacusis assessed in children and adults?			x									
		Are standard hearing tests used to diagnose hyperacusis.			x									
		To have a hyperacusis test battery		x										
		Validated hyperacusis questionnaire for patients to complete		x										
		can the degree of hyperacusis be measured for individuals			x									
		Is there a way to measure hyperacusis objectively?		x										
		Need to look at high frequency hearing loss. Standard audiology hearing test only goes up to 8 kHz. What happens above that ?			x									
		I was was diagnosed with hyperacusis from my account of symptoms. Another time I was tested with a loudness Test, which I passed except for one tone. It seems that something physical occurs in my ear - a vibration - and eye twitching. IF this happens, can it be seen and measured?			x									
		How can clinicians improve the methods of diagnosing hyperacusis?			x									
		Most toddlers dislike loud sounds. How do you differentiate a normal behaviour from one which is cause for concern. Can there be a set of questions which give a score?		x										
		Is there a bespoke assessment tool for professionals dealing with hyperacusis similar to the THI questionnaire for tinnitus.		x										
		what tests should be done to diagnose hyperacusis?		x										
		How can be hyperacusis be measured and assessed without relying too much on LDLs because sensitivity can be to frequencies, not necessarily volume?			x									
		I've never been checked, why is that? Would like to know if it's mild or bad with me,			x									
		Hyperacusis is a no-brainer of a self-diagnosis. My question is: Why do clinicians continue to injure patients with LDL or ULL tests?			x									
		6. How can we assess the physiological limits to an individual's recovery?			x									
		2. How can we fully investigate setbacks (rapid and prolonged drops of sound tolerance) in order to provide evidence-based treatment adjustments and sound exposure guidelines. Should clinicians describe all setbacks as just "part of the road to recovery?"			x									
		5. Should ULL testing take into account (for each frequency) whether the limit was determined by loudness, pain, setback, expectation of setback. emotion. dizziness. etc.?			x									
		What is the diagnostic criteria for hyperacusis?		x										
		Which audiological tests should be performed in someone with hyperacusis?		x										
		audiologist test does not pick up my hyperacusis what will be the reason ?btw i live in South Africa and most docters is in total disalusion about hyperacusis and tinnitus.			x									
		How will they diagnose and know that the patient has hyperacusis?			x									
		How is hyperacusis diagnosed?			x									
		Is there now a standard test?			x									
		I would like to see a way to diagnose hyperacusis without further traumatizing the person with hyperacusis.			x									
		What is the most reliable and accurate assessment to diagnose hyperacusis			x									
		How is hyperacusis assessed in an impartial manner?			x									
		Is it solely based on the patient's assessment.?			x									
		How can we test for hyperacusis and			x									
		What tests are done to diagnowe hyperacusis?			x									
		How is this damage found or located?			x									
		Are there physical ways of looking for it?			x									
		What is the criteria for assessing and diagnosis this condition in anybody of any age			x									
		Many doctors I have encountered do not recognise the condition or have never encountered it. Is there a simple test that could be rolled out in the mainstream?									x			
		Many doctors I have encountered do not recognise the condition or have never encountered it. Also it's dx in those without speech or effective communication - how can this be improved?									x			
		How would a person be assessed for it				x	x							
		Validation of a robust assessment questionnaire/outcome measure to help diagnose/grade hyperacusis and measure effectiveness of treatment		x										
		How reliable is HQ questionnaire comoared to ULL scores?		x										
		Hooe w is hvperacusis measured? Some people are able to state the level their hyperacusis is.			x									
		Shouldn't there be a formal assessment/measurement and diamosis?			x									
		Is it possible to devise a test for hyperacusis that is not painful for the patient?			x									
		How can they be accurately assessed in detail				x								
		What should be the minimum assessment tool battery for hyperacusis		x										
		Which auditory electrophysiology methods should be used to identify ULLs?		x										
		how do we evaluate hyperacusis and its burden						x						
		Are audiologists capable of identifying/measuring the problem?			x									
		Do clinicians check for susceptability to loud sounds in social activity?			x									
		What tests are currently used to check hyperacusis?			x									
IU16	Which assessments should be conducted in the workplace to monitor and adjust for staff who have or may have hyperacusis?		5	0	5	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		How can we be more supportive of the patient in staying in the workforce?			x									
		What support could Occupational Health departments offer to employees who suffer from hyperacusis and what would be most effective?			x									
		What can be done to ensure that people with hyperacusis are not discriminated against in the jobs market?			x									
		Should Occupational Health staff include monitoring of staff for hyperacusis and alter the work environment accordingly? How?			x									
		How informed are occupational health experts on the management of hyperacusis?			x									
IU17	What are the indicators for specialist care (e.g. psychological therapy) for someone with hyperacusis?		5	4	1	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		when would psychology support be indicated?		x										
		referral criteria to specialist services		x										
		How does a patient know whether their symptoms are bad enough to seek help?			x									
		When should they refer them onwards?		x										
		at what point does the pt need cbt r other psychotherapy		x										
IU18	What is the most effective treatment approach for hyperacusis in children?		14	10	0	4	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		can habituate or increase tolerance in children?		x										
		best strateeies for children to habituate to hyperacusis and maybe trainine or aso for parents.		x										
		How do you manage hyperacusis in children?		x										
		What should be offered in local paediatric audiology clinic?		x										
		I would like to know if there will be development of a hyperacusis protocol for audiologists to follow a gold standard of best practice, when seeing hyperacusis patients - childrens protocol?		x										
		We do not currently have a firm strategy for dealing with hyperacusis in adults and children in the service - we need an agreed national approach to treatment/ management		x										
		Not aware of any support or care. My son's paediatrician just happened to be interested in sensory processing in autism and knew of colleagues who specialised in those sensory functions. A friend of a friend is a consultant audiologist and gave us some good advice about what to look for/avoid. A completely fortuitous pathway.				x								
		should current audiology services incorporate a dedicated specialist tinnitus and hyperacusis clinic to manage children with sound sensitivity? at present availability is patchy and in most areas children do not have access to this service.		x										
		In my clinic about a third of the children with hyperacusis also have autism and most have responded positively to auditory desensitisation during the night or noise generators during the day. Should this be included as a management strategy in the education health care plan for autistic children ?		x										
		What are the management options for children and adults?		x										
		how can you best manage hyperacusis in children?		x										
		Apart from 're-training' the brain using a sound box; is there any other child friendly ways to help manage this for the child?				x								
		If there is is no improvement in Hyperacusis in the patient what is next for the patient after they have tried pain medication, CBT, and anxiety medication?				x								
		What support and care is there for children like my daughter who is 16 years of age and has Hyperacusis. I have found none. What kind of support is that for a 16 year old girl with this debilitating condition who has not been able to attend school and get any GCSE qualifications.				x								
IU19	What is the essential knowledge/training required for health professionals to appropriately refer or effectively manage hyperacusis?		92	28	46	5	2	1	1	5	4	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Could support and care be improved by better education for primary care workers and clinicians			x									
		Are GPs aware of Hyperacusis and referral pathways for assessment and management?		x										
		Can the health service be more aware that H may be caused by an already heightened CNS system, after an accident and make patients aware in their fact sheets...									x			
		Have hearing aid audiologists a role in treating hyperacusis? (with speciality post qualification training)		x										
		1) As the initial professional contact. are GP's sufficiently well informed to give adequate support and care?		x										
		1) Do professionals feel they are adequately trained/ have sufficient skills to manage children with hyperacusis?		x										
		Is hyperacusis included in the trainine of mental health professionals?		x										
		Could current service provision improve if education among teachers of the deaf on hyperacusis was included in their training and refresher conferences or with educational audiologists		x										
		What trainine would helo audiology clinicians be more effective for adults e.g. Ida style examples		x										
		What trainine would helo audiology clinicians be more effective for children e.g. Ida style examples		x										
		More knowledge required by G.P.s and referrals to specialists.			x									

		2. Should audiologists be better trained in hyperacusis, know how to distinguish it from recruitment, and be certified that they can deliver standardized LDL level testing?		x			x							
		2. Should audiologists be certified that they can deliver standardized LDL level testing? (There may be choices, but the choice used could be stated so that reports, studies and patient treatment effect could be fairly compared)		x			x							
		Can doctors from the different areas work in better coordination in the management of hyperacusis?			x									
		Not sure, but the health care setting is one of the noisiest settings there is, so many staff lack a volume control, and have absolutely no concept of how raucous their 'normal' speaking tone is				x								
		Do all NHS hospitals have specialists who understand Hyperacusis?			x									
		Are doctors trained on how to understand hyperacusis?			x									
		Which professionals best placed to help?									x			
		Would improved mental health services and greater understanding and communication between professionals improve hyperacusis?		x										
		The NHS employs fewer and fewer Hearing Therapists and their role now falls to less specialist audiologists who are expected to be 'Jack of all Trades'. Not good for NHS staff or their patients.		x										
		Hyperacusis cases who arrive at the audiologist's clinic often have deeper issues around mental health that the audiologist cannot tackle, yet the services to help these patients are patchy and underfunded. Please show through your research how important good, well funded mental health services are to all age groups. Thank you.		x										
		Can we Ducati ass more about hyperacusis, run of the mill answer is no cure live with it			x									
		Why my GP didn't seem to understand how bad it was when I first visited thisuserv s			x						x			
		GP could improve their initial consultation offering more support and understanding a			x						x			
		Do GPs know enough to help			x									
		Clinicians need to brief medical doctors about how to recognize hyperacusis			x									
		I had sympathetic health care but no one with knowledge of hyperacusis until very late - had to seek them out.			x									
		Better education of non audiology professionals about this condition through training, education and online resources		x										
		Doctors and healthcare services should be more educated on hyperacusis and tinnitus, especially ENT doctors - but I don't know which kind of questions you have to ask in order to achieve that.			x						x			
		Why are ENT doctors not more educated on tinnitus and hyperacusis?			x						x			
		Are audiologists competent enough to provide care for people with hyperacusis?			x									
		Do they understand that it's important to stop increasing the sound level when the patient complains that it's becoming too loud to tolerate?			x									
		Why are ENT doctors not more educated on tinnitus and hyperacusis?										x		
		Why are ENT doctors not more educated on tinnitus and hyperacusis?										x		
		Improve the lamentable and frankly pathetic ENT skills and knowledge of our GP's! Frankly there is more to ENT than the standard otitis media PLEASE!!									x			
		How can doctors be educated to check for hyperacusis? (I went to my GP about hearing issues, was given a hearing test with headphones - even though I'd explained I don't have a problem with just one sound but background noises "crowd out" foreground noises, and in the end was told "just concentrate more" which really wasn't helpful.			x									
		How do doctors train to be familiar with the symptoms			x									
		How to educate all health practitioners so suffers aren't fobbed off		x										
		How can these specialists become more knowledgeable and helpful to people suffering from hyperacusis?			x									
		Can Pain Clinics be better informed to help people with hyperacusis			x									
		Would better education of hearing proffesionals lead to better hyperacusis management?			x									
		Do healthcare professionals understand the problem when facing sufferers?			x									
		There seemed very little understanding of the problem at the specialist centre that I went to. They made you wait in a corridor with many slamming doors and were uninterested when I commented on it ! I was told things that were later denied by later people and I was given lots of contradictory information about hearing aids. They talk to the problem and have no interest in people.			x									
		do ent drs eat taught about hyperacusis.			x									
		Medical staff being trained about hyperacusis. as it cant be seen people lose interest - still a disability			x									
		I would like medical professional taught not to torment people with hyperacusis and made to understand noise can HURT.			x									
		Could current healthcare be improved by educating Gp's?			x									
		Could GPs be better educated about the symptoms and emotional impact of hyperacusis?			x									
		Why do GP's treat it as a mental health condition immediately and are reluctant to refer to ENT departments to rule out physical causes.				x								
		Why are GP's not referring to ENT to find physical reasons for it before diagnosing it as a 'mental health' issue?				x								
		In conclusion: why aren't doctors better trained to deal with hyperacusis sufferers?			x									
		What branch of healthcare provides treatment for the condition and how is this accessed?			x									
		To what extent is the condition well known by providers of primary healthcare - e.g. GPs?			x									
		Could special units be set up to educated doctors and nurses about the suffering of patients with thus condition.			x									
		This is an area where I think the most scope is possible. I have been to ENT and a private audiologist and there was little discussion about hyperacusis and what it was. ENT did not mention it at all, or the tinnitus clinic in the NHS. There should be more patient and staff leaflets. Care should be provided potentially by all staff but possibly different levels of complexity.		x	x				x					
		Should those giving support groups be trained, certified when it comes to hyperacusis.			x									
		Should psychologists see patients with hyperacusis?		x										
		Should psychiatrists see patients with hyperacusis?		x										
		Should Psychology services be used in hyperacusis care?		x										
		Who should manage people with hyperacusis and with what training		x										
		Either all clinicians within audiology has to complete a certain standard of Hyperacusis training so that nationally patients receive the same treatment/advice/support or create centres of excellence and all hyperacusis referrals go there.		x										
		Is specialty training available to otolaryngologists or audiologists regarding hyperacusis?			x									
		Could healthcare providers learn about this and not judge		x										
		My hyperacusis was never discussed or assessed until after my Tinnitus escalated to a severe level. Can people be educated to check for this before it leads to Tinnitus.			x									
		I'd like to see doctors educated about this type of hyperacusis and how disabling it can be without blaming the patient and trying to act as though psychotherapy will talk us out of it. There's a physical underlying mechanism causing my problem!!! (absence of proof is not proof of its absence!!!)			x									
		Do care staff, who work with children and adults who are more likely to experience Hyperacusis, get any training on how to support them?				x								
		Could current healthcare services be improved by better education for GP's?			x									
		Who is best placed to offer management		x										
		Could more training be made available specifically for hyperacusis		x										
		What information should GPs give to patients with hyperacusis?		x										
		What training is necessary for those treating people with hyperacusis?		x										
		Couldn't treatment be improved by educating GPs more who often seem unaware of the condition?			x									
		How can a greater awareness be made to overall medical world concerning hyperacusis and treatment.			x									
		Do GPs know how best to manage hyperacusis?			x									
		Can doctors and nurses be educated to not talk so loudly?			x									
		Available therapy,e.g.gp being aware and up to date of how this may affect individuals in different ways depending on personal circumstances.			x									
		How can services for people with co-morbidities (such as memory services) better understand, recognise and support those with hyperacusis?		x										
		what first line advice is given in Primary Care		x										
		Can training for ENTs be improved to increase awareness? It didn't seem straightforward to get a diagnosis for me. My ENT originally thought I was hyperventilating with anxiety in noisy places despite me repeatedly pointing out that I wasn't anxious.			x									
		Is there a way to make it easier for patients to find an audiologist with specialist knowledge of how to set up hearing aids for people with hyperacusis?			x									
		Can you provide better education for G.P.'s? (We mentioned hearing sensitivity many times before it was taken seriously). Once referred by G.P. waiting times to be seen by audiologist are long, can these be reduced especially for children?				x								
		how do people or gps know where to refer if patient complains of hyperacusis						x						
		I would like to see a closed link between the GP, the hospital Audiology department, clinics, the researchers and support groups who are in short supply.			x									
		Yes. I would like to see a closed link between the GP, the hospital Audiology department, clinics, the researchers and support groups who are in short supply.			x									
IU20	What care is most effective for recent onset/acute hyperacusis?		4	2	2	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		What is the most effective way to deliver care at the earliest stages in managing hyperacusis?		x										
		The first three months of tinnitus and hyperacusis are so scary and we don't know where to go for help as everything is hurry up and wait because of constraints on the nhs, emergency clinics?			x									
		Once in the midst of an incident, is there anything that can be done to make it go away faster?			x									
		Can people alter their behaviour in the initial states of hyperacusis in order to prevent it becoming worse?		x										
IU21	Are online informational resources effective for informing people about hyperacusis?		5	5	0	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Is info on line		x										
		best strategies for children to habituate to hyperacusis and maybe training or app for parents.		x										
		information on websites and leaflets on how to self manage hyperacusis		x										
		How effective is good online available information for preventing families to need further healthcare access?		x										
		How effective is good online available information for preventing families to need further healthcare access?		x										
IU22	Which treatment approaches are most effective for different types or severities of hyperacusis?		16	7	5	0	4	0	0	0	0	No relevant systematic reviews identified. Reliable up-to-date scoping review has highlighted the evidence of different treatment effects and revealed important continuing uncertainties about treatment effects.		Fackrell, K., Potgieter, I., Shekhawat, G. S., Baguley, D. M., Sereda, M., & Hoare, D. J. (2017). Clinical Interventions for Hyperacusis in Adults : A Scoping Review to Assess the Current Position and Determine Priorities for Research. *BioMed Research International*, *2017*. https://doi.org/10.1155/2017/2723715
		Is effectiveness related to cause?		x										
		Recommended management for different severity of hyperacusis		x										
		3. Are there certain subtypes of hyperacusis in which drug therapy (by various classes of drugs) works better? Or subtypes that drug therapy (by various classes of drugs) makes worse?		x			x							
		5. Are there certain subtypes of hyperacusis in which round/oval window reinforcement surgery works better? Or subtypes that round/oval window reinforcement surgery makes worse?		x			x							
		1. Are there certain subtypes of hyperacusis in which sound therapy works better? Or subtypes that sound therapy makes worse? 'Better' and 'worse' here defined in terms of LDLs, self-reported tolerance (which has a number of dimensions), and standardized quality of life measures.		x			x							
		2. Are there certain subtypes of hyperacusis in which cognitive-behavioral therapy works better? Or subtypes that cognitive-behavioral therapy makes worse?		x			x							
		Does the possibity of successful treatment depend on the cause?			x									
		What are the treatable causes of hyperacusis?		x										

		Can bespoke therapies be developed depending on what noise most upsets patients? eg in my case sibilance and whistle noises			x									
		Does the cause of the hyperacusis vary the type of treatment that is successful in improving hyperacusis?			x									
		4. Do certain subtypes of hyperacusis benefit from reducing their typical sound exposure during setbacks or flareups (also referred to as "resting ears")? If so, how can we investigate whether there is a universal limit to how long a person should wait before increasing sound exposure again or if it depends on the individual patient's state?			x									
		Do different causes require different treatments?			x									
IU23	Which management approach (e.g. assessment and treatment) for hyperacusis is most effective for people with learning disabilities?		6	3	0	3	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		manaeement strateaies children and the this differentiated for children with Autism or dewelopmental delay.		x										
		I want to know about everything particularly as they relate to children like my son who is classed as non verbal. How can we help children like him who have very poor receptive and expressive language.				x								
		Educationally what treatment is advised with hyperacusis mixed with the anxiety and development delay of a child in school classroom exampte: small claaes, quiet class, less stressful environment to manaae the stress				x								
		Can they test people with learning disabilities and limited vocabulary?				x								
		How should hyperacusis be assased in adults with profound intellectual disabilities who are non-verbal?		x										
		How can management of hyperacusis be reasonably adjusted for adults with intellectual disabilities?		x										
IU24	Which psychological therapy (e.g. counselling, Cognitive Behavioural Therapy, mindfulness) is most effective for hyperacusis?		39	21	12	1	0	2	1	2	0	No relevant systematic reviews identified. Reliable up-to-date scoping review has revealed important continuing uncertainties about treatment effects.		Fackrell, K., Potgieter, I., Shekhawat, G. S., Baguley, D. M., Sereda, M., & Hoare, D. J. (2017). Clinical Interventions for Hyperacusis in Adults : A Scoping Review to Assess the Current Position and Determine Priorities for Research. *BioMed Research International* , *2017* . https://doi.org/10.1155/2017/2723715	Jüris, L., Andersson, G., Larsen, H. C., & Ekselius, L. (2014). Cognitive behaviour therapy for hyperacusis: A randomized controlled trial. *Behaviour Research and Therapy* , *54* , 30–37. https://doi.org/10.1016/j.brat.2014.01.001
		does a desensitisation techniques work to improve hyperacusis		x										
		Which is the most effective form of psychological therapy for helping people to manage hyperacusis?		x										
		Does CBT work for hyperacusis			x									
		Does cognitive behavioural therapy help manage underlying anxiety to further reduce hypetacusis in patients?		x										
		Can hyperacusis be prevented by referral for cognitive behavioural therapy?		x										
		Does Cbt help hyperacusis?		x										
		What's the most beneficial form of psychological therapy?			x									
		Does mindfulness helo?			x									
		Is hvperacusis treatable with CBT?			x									
		does TSG desensitisation benefit hvperacusis clients		x										
		Can behavioural therapy such as desensitisation helo with svmptoms.				x								
		Role of CBT		x										
		Would periodic counselline helo in the manaement of hvperacusis								x				
		Is counselline more effective than prescribine a placebo								x				
		Should cbt be used alongside auditory desensitisation or when auditory desensitisation has been tried and found to be unsuccesful?		x										
		What percentage of children with hyperacusis with and without autism improve with auditory desensitisation/cbt or both together ?		x										
		Do these (self-management tactics) work as well as e.g CBT		x										
		Does mindfulness improve hyperacusis?						x						
		Is group therapy better than individual therapy?						x						
		Does CBT improve hyperacusis?			x									
		Can counselling via psychologists help rehabilitate people with hyperacusis?		x										
		Could coping and adapt therapy be offered for patients diagnosed newly or those having difficulty coping, accepting and adapting as a requirement for the first 6 months?			x									
		Does CBT improve outcomes for patients with hyperacusis?							x					
		Does thorough counseling of 'patient group at risk' help prevent hyperacusis?		x										
		Is basic counseling just enough?		x										
		would person centred counselling help alongside audiology support		x										
		CBT/role of psychological techniques		x										
		Are there any treatments for Hyperacusis, for example does CBT help at all?			x									
		Do CBT reduce effect of hyperacusis			x									
		Does mindfulness reduce effect of hyperacusis			x									
		Is counselling the best way in managing patients with hyperacusis?		x										
		Does CBT improve hyperacusis?			x									
		how effective is CBT in manaaine hvperacusis?		x										
		Does beine exposed to a dearee of sound helo hvperacusis			x									
		Does CBT helo ?			x									
		2. Role of CBT		x										
		2. Role of Mindfulness		x										
		is it best to avoid or desensitize? ?		x										
		Is CBT and reconditioning the best way to help		x										
IU25	Is the success of hyperacusis treatment affected by the level of support provided by caregivers (e.g. parents, spouses, partners, family)?		3	2	0	0	1	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Is treatment outcome affected by caregivers (people, institutions) accommodating requests of patients or their accompanying carevivers?		x			x							
		How can the dynamics of a family affect the support mechanism for a sufferer		x										
IU26	What is the best information and guidance for parents dealing with hyperacusis in their children?		5	5	0	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Is there any written information top help parents of children with hyperacusis		x										
		How as an audiologist do I best advise parents on dealing with hyperacusis in their child		x										
		Should there be routine advice to parents in the red book (parent-held child health record)		x										
		What is the best (evidence based)advice we can give to parents and children about hyperacusis?		x										
		What is the best advice to give to patients/parents?		x										
IU27	What is the best way of using sound in therapy for hyperacusis?		39	23	14	1	0	0	0	0	1	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Does sound therapy help			x									
		Validation of sound desensitization programmes using either a white noise generator or a hearing aid.		x										
		Is sensitising by the use of sound generators effective?		x										
		What guidelines are there for setting WNG's?		x										
		Do sound machines help hyperacusis?				x								
		Does noise enrichment at night improve hyperacusis		x										
		Are sound aenerators effective in the manaement of hvperacusis in children		x										
		1) Do sound aenerators helo in the manaement of hvperacusis in children?		x										
		Does sensory inteeration therapy helo hvperacusis		x										
		Does sound enrichment helo reduce hyperacusis?		x										
		Alternative viable treatments available besides 'white' or 'pink' noise - for example would daily exposure therapy (cafes, bars, Tescos etc) be prescribable for those disliking recorded sounds?									x			
		Systematic study using controls and cases to see if white noise generators or sound therapy in children is effective		x										
		Systematic study using controls and cases to see if white noise generators or sound therapy in children is effective		x										
		or is moderate exposure to everyday sounds beneficial to rehabilitation in the lone term?			x									
		What evidence is there that noise aenerators are an effective method of manaement of hvperacusis?		x										
		What kind of sound therapy helps with hyperacusis?			x									
		How long does it take for a treatment eg auditory desensitisation during the night /noise generators during the day to work?		x										
		Do noise generators improve hyperacusis?			x									
		IS exposure therapy effective?		x										
		Can listening to music at appropriate levels help reduce hyperacusis?		x										
		Can classical conditioning such as progress introduction to sounds that they feel are intolerable help de-sensitize?		x										
		Can hyperacusis be prevented with sound enrichment programs		x										
		Are sound generators proven to help?			x									
		why is the use of a soundball during the night more effective thin and ear level device during the day		x										
		The value of sound therapy		x										
		Is using conditioning by gradually increasing tolerance to noise exposure harmful to hearing?			x									
		Do sound generators actually work better than placebo?			x									
		Does the use of sound generators improve hyperacusis?			x									
		Can audio input be used in the treatment of hyperacusis?			x									
		does controlled white noise exposure actually work?		x										
		Should sound aenerators be used?		x										
		Does noise enrichment with maskers improve hvperacusis. or is it nonsense.			x									
		Are wearable noise aenerators still aood treatment options for hyperacusis		x										
		How effective is sound therapy in manaaine hvperacusis?		x										
		Can hyperacusis be prevented through the use of maskine noise?			x									
		Does exposure therapy helo sufferers of hyperacusis?			x									
		Do wearable noise aenerators improve hyperacusis?			x									
		What types of sound have the best chance of improving hyperacusis?			x									
		1 effectiveness of noise aenerators		x										
IU28	Are any complementary (relaxation, yoga, meditation, hypnotherapy) or alternative therapies (laser therapy, vibration therapy) effective for hyperacusis?		24	7	13	0	1	3	0	0	0	No relevant systematic reviews or guidelines identified. Reliable up-to-date scoping review has revealed important continuing uncertainties about treatment effects.		Fackrell, K., Potgieter, I., Shekhawat, G. S., Baguley, D. M., Sereda, M., & Hoare, D. J. (2017). Clinical Interventions for Hyperacusis in Adults : A Scoping Review to Assess the Current Position and Determine Priorities for Research. *BioMed Research International* , *2017* . https://doi.org/10.1155/2017/2723715	
		Does teaching breathing and relaxation helo hyperacusis?		x										
		4. Are there certain subtypes of hyperacusis in which low-level laser therapy works better? Or subtypes that low-level laser therapy makes worse?		x			x							
		does Acupuncture help ?			x									
		Would a treatment plan of relaxation session ,massage around the neck area be			x									
		Can vibrations or stimulation of some sort to the auditory center of the brain help lessen it ?			x									
		What natural therapies are effective, if any?			x									
		Is therapeutic massage of the neci, shoulders and upper back effective?			x									
		Why are more holistic disciplines not covered? Tai chi, yoga, accupuncture all cost weekly, but provide relief.			x									
		What alternative options could be offered?			x									
		What improves hyperacusis? Drugs, supplements, alternative therapies... (Pink noise just made my ears worse)			x									
		What improves hyperacusis? Drugs, supplements, alternative therapies... (Pink noise just made my ears worse)			x									
		Does learning to relax improve hyperacusis?			x									
		Does yoga improve hyperacusis?						x						

		Does meditation improve hyperacusis?						x							
		Does hypnosis improve hyperacusis?						x							
		Does hypnotherapy improve hyperacusis?			x										
		Do relaxation techniques improve hyperacusis?			x										
		Is relaxation proven to help?			x										
		Has any investigation taken place whilst in hypnosis to establish root cause of Hyperacusis		x											
		Can early assessment and subconscious therapy through hypnosis help?		x											
		Could current healthcare be improved by using hypnotherapy		x											
		How effective are relaxation techniques?		x											
		How well does relaxation help hyperacusis		x											
IU29	Which drugs are effective for hyperacusis?		26	4	19	0	0	1	0	2	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Are there any drugs to help hyperacusis?		x											
		Are there some drugs which could inhibit the pain reaction for people with severe and catastrophic hyperacusis?		x											
		What drugs help hyperacusis?		x											
		Are there any pharmacological treatments for hyperacusis?			x										
		Do tricyclics e.g. amitriptyline help?			x										
		What treatment perscription wise can people with hyperacusis take to be effective? If there's nothing please develope it.			x										
		What improves it? Medication?			x										
		Do anti-depressents help or hinder?			x										
		Do beta blockers help or hinder?			x										
		Is hyperacusis treatable with medication?			x										
		can SSRIs help adults with hyperacusis		x											
		Does medication improve hyperacusis?			x										
		Are there any medications for hyperacusis?			x										
		What improves hyperacusis? Drugs, supplements, alternative therapies... (Pink noise just made my ears worse)			x										
		What drugs can be taken off label to help with hyperacusis today?								x					
		What pain treatment approaches can help to reduce pain from new noise exposures?								x					
		Are there medicines that can help?			x										
		Are there any drugs, operations that have shown to improve this condition.			x										
		Does tranquilisers reduce effect of hyperacusis			x										
		What medicines can treat the delayed/lasting pain?			x										
		Could any drug to be made to treat hyperacusis?			x										
		4. Should potent anti-anxiety medication be used during the early treatment of severe patients to reduce trauma and minimize overshoot in threat assessment?			x										
		What drugs are used in hyperacusis treatment?			x										
		Is there any medication to relieve hyperacusis?			x										
		Does Betahistine help?			x										
		do medications that are effective for migraine also help people with hyperacusis						x							
IU30	What educational information and support is effective for hyperacusis?		85	12	51	13	0	0	6	3	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		again all info available allows people on the frontline to share advice and info and promote this as part and parcel of professional services		x											
		How can the impact of hyperacusis be easily communicated to raise awareness of this hidden issue			x										
		Information about support is hard to come by and should be made more easily assessible			x										
		INFORM THE PATIENT .obviously the more information out there the less likely the condition is to become entrenched behaviour		x											
		What is done to raise awareness		x											
		How do I suoport and care for someone with hyperacusis?				x									
		What information is available to parents about hyperacusis?				x									
		Effective support ideas and written information		x											
		how do we raise awareness of the condition.		x											
		Can hyperacusis be reduced by noise prevention education e.g. Motorcross?		x											
		Are people aware of the absolute volume of these sets?								x					
		Better educational resources based on a more accurate understanding of hyperacusis		x											
		More understanding of the condition. Educate the public			x										
		What can be done to educate family, friends, doctors, coworkers, etc. on the actual severe pain everyday noises such as chomping on ice or electricity running through a cord can cause?			x										
		You have said it above . Treatments please , self help techniques , rehab , and support to prevent it being the invisible prison it has become for me.			x										
		There needs to be a concerted programme in school PSHE programmes to inform children of the potential harm they expose themselves to and the likelihood of T and H due to noise factors . I wish someone had told me .			x										
		Why isn't there any care and support for people with H			x										
		Do teachers know what Hyperacusis is?			x										
		A leaflet to give to people with this condition to suggest better coping strategies. Explaining to people in simple terms how it is caused so that family members can also read the information.							x						
		Go referral. leaflets explaining condition.							x						
		Leaflets in doctor sureeries and awareness fliyers/leaflets in hovpital audiology deoartments.							x						
		would educatine teachers and parents about the effects of oressure on children prevent hyperacusis		x											
		Good, clear and reassurine printed literature needed		x											
		Standard handouts as it is all very hit and miss accordine to where vou libe			x										
		There needs to be a good way to educate loved ones so they can understand the problem			x										
		There should be more literature on the subject, easier to understand...and more help on a personal basis, not just on line, it makes you feel cut off from the world. Basically your told there's nothing that can be done..get on with it...is there treatment?			x										
		Yes it should be more understood by healthcare professions , because most people don't even know what it is.			x										
		Should family members go for phvccotherapy to learn how to deal with it ? Maybe family member and friends should study a little bit about hyperacusis			x										
		Many people do not understand levels of pain associated with hyperacusis and long term effects.			x										
		Understanding of the condition is woefully inadequate in my experience. It's hard to find help from agencies including those who deal with children specifically with ASD and SLD. there's a huge training need.				x									
		Are there some training programs for hyperacusis patients caregivers?			x										
		Why si there no care of support ?			x										
		Would like to see GPs properly informed and made aware of H with a simple information leaflet.			x										
		Does education about how the ear works remove anxiety and hence hyperacusis.								x					
		I'd love for this to be more recognised - I work from home as much as I can because I have such trouble working in the normal office environment - we have a printer and a small kitchen area in our open plan office, plus load of people talking and typing - how can you educate people about the issue to explain why this is so debilitating?			x										
		Is there any support?			x										
		do people know if they have it? or might they just get irritated and blame other people for example			x	x									
		is it helpful for people to know they have it?			x	x									
		I think we all know to avoid hyperacusis we need to avoid loud noise however in this day and age proves difficult so yes more information on support and care would be good			x										
		Will education about over exposure to loud noise help prevent hyperacusis?			x										
		Education and information resources			x										
		Should you start giving Information as soon as possible in Young Age?			x										
		What education for schools/employers is out there?				x									
		What information/education is given to GP's and ENT depts on this condition?				x									
		How should people be made aware of the help available?			x										
		Are non acoustisians in health /social care / education aware of services available for sufferers?			x										
		Should places of work and education be more informed ie. noise pollution from background music, announcement systems and the dynamic level, accoustics, hand dryers, leaf blowers,road diggers, traffic, alarms, loud voices, should there be decibel level monitorine and control? As in air pollution monitorine.			x										
		What helpful information can audiologists offer to people affected by hyperacusis? (Information on my hearing acuity is not enough. My hearing is now less in the ear affected, but it is the hyperacusis that is most troublesome in daily life.)			x										
		I have been to ENT and a private audiologist and there was little discussion about hyperacusis and what it was. There should be more patient and staff leaflets. Care should be provided potentially by all staff but possibly different levels of complexity.		x	x				x						
		I would like research to provide GPs and audiologists with the basic information to know what Hypercusis is. I would like research to provide medical staff with proof that this is an actual condition			x										
		Do we need to look at higher education authorities and the way we educate our students on hyperacusis.							x						
		how effective is simple reassurance following explanation of the nature/origin of hyperacusis and detailed testing including otoacoustic emaissions and acoustic reflexes?		x											
		Is it possible to create an assesment that would ensure that we can access tools (such as acoustic tiles) that would reduce the effects of sound within our home environment.				x				x					
		How will doctors teach sufferers to deal with the personal emotional and social knock-on effects that come from living with hyperacusis?			x										
		how can teachers be informed about this condition so that they understand what it feels like?			x	x									
		Why don't we educate the public about hyperacusis and tinnitus in graphic ways?			x										
		Why has the world not figured out that children are not going to be afraid of a little bit of hearing loss and that threatening hearing loss is not enough to get people to protect from noise? We must describe hyperacusis and tinnitus to the general public so that they understand what kind of torture might occur if they don't protect their hearing. That will also help the public be more understanding of those of us that have hyperacusis from other causes such as a car accident that was not preventable.			x										
		How can we be more supportive of the patient and living with their family?			x										
		Information for families so they can understand better.			x										
		Would including awareness of noise-damage to not only hearing but emotional well-being at all levels of education be an effective way of preventing hyperacusis and other hearing-related issues.			x										
		Consult with families so they fully understand the problem.			x										
		How can the healthcare system be made more knowledgeable about hyperacusis?			x										
		3. Can we provide more nuanced information to clinicians and the public about those who do not respond strongly to treatment without undermining the benefits of existing treatment practices? This is particularly pertinent to those who do not respond strongly to treatment (about 50%). Some of whom are only left with the option of discontinuing work and applying for disability.			x										
		Can hyperacusis be prevented by education in schools more prevelantly?			x										
		How to educate people and dicters that has got no clue if this didability and they do not believe you even with doctors referances			x										

		Could a hearing specialist in year 7 giving a workshop help prevent hyperacusis			x									
		Can we educate the public about this condition?			x									
		Are there plans to provide greater levels of information advice and guidance to sufferers and medical staff?			x									
		What would be the best way to support people so they do not have to make huge adjustments to their lives as a result of hyperacusis like we did/do. Hand dryers are the worst for my son - they need to be quieter!				x								
		How would you explain hyperacusis to people in general... we have tried but many simply shrug and seem to think it's nothing bad... belittling the challenges faced doesn't make them go away!				x								
		Is it important to tell the general public that hyperacusis sufferers suffer physically (real physical pain) rather than psychologically?			x				x					
		How can we improve public understanding of the unique pain that people with hyperacusis can experience?			x									
		What effect does education of young people into the risks of hearing damage, eg from headphones and loud discos, have on reduction of such damage?			x									
		Development of a primary care Patient Info Leaflet would be good		x										
		There is no care s far as I'm aware. What care should there be?				x								
		How to roll out better education of the condition once diagnosed for families?				x								
		How can it be identified and supported more widely?			x									
		Research being conducted should be made more available to the public through education in schools and the work place to create greater awareness of the problem.			x									
IU31	Is Tinnitus Retraining Therapy effective for hyperacusis?		6	1	5	0	0	0	0	0	0	No relevant systematic reviews or guidelines identified. Reliable up-to-date scoping review revealed important continuing uncertainties about treatment effects.		Fackrell, K., Potgieter, I., Shekhawat, G. S., Bagsley, D. M., Sereda, M., & Hoare, D. J. (2017). Clinical Interventions for Hyperacusis in Adults : A Scoping Review to Assess the Current Position and Determine Priorities for Research. *BioMed Research International* , *2017* . https://doi.org/10.1155/2017/2723715	
		Can TRT be done without an audiologist?			x									
		Does TRT help?			x									
		does TRT based treatment help hyperacusis in the long term.		x										
		Does TRT really help? Can it make things worse?			x									
		Is Tinnitus Retraining Therapy (TRT) effective?			x									
		Does TRT, if implemented carefully and effectively, improve hyperacusis?			x									
IU32	Is Neuromonics™ effective for hyperacusis?		2	0	2	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		I spent $5000 on a neuromonics device that was suppose to elevate my tinnitus. No affection on Tinnitus, but seems to provide relief for hyperacusis. Why is that?			x									
		Why use sound neuromonicswhite noise ... it does not seam to gelp me only causes to make it worse			x									
IU33	Are any surgical interventions effective for hyperacusis?		3	0	3	0	0	0	0	0	0	No relevant systematic reviews or guidelines identified. Reliable up-to-date scoping review has revealed important continuing uncertainties about treatment effects.		Fackrell, K., Potgieter, I., Shekhawat, G. S., Bagsley, D. M., Sereda, M., & Hoare, D. J. (2017). Clinical Interventions for Hyperacusis in Adults : A Scoping Review to Assess the Current Position and Determine Priorities for Research. *BioMed Research International* , *2017* . https://doi.org/10.1155/2017/2723715	
		What improves it? Surgery?			x									
		How does a stapedectomy cause hyperacusis?			x									
		Does Gamma knife cause hyperacusis			x									
IU34	Would restoring hearing (e.g. regenerating nerve cells) improve hyperacusis?		2	0	2	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Would regrowing nerve cells and repairing demyelinated nerve fibers in the cochlea restore the sound tolerance levels?			x									
		Would regenerating sensory hair cells restore the sound tolerance levels?			x									
IU35	Is pain hyperacusis more related to hearing loss than other types of hyperacusis?		3	0	2	0	0	0	1	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		I want to know the mechanism behind hyperacusis with delayed and lasting pain. Or do the tiny muscles in the ears cause this (like, do they contract and then irritate the surrounding nerves, resulting in referred pain)?			x									
		Does a lower pain threshold associated with hyperacuses imply a higher probability of hearing loss when exposed to a certain sound pressure level?			x				x					
IU36	Can/should there be monitoring or screening for hyperacusis?		23	3	14	4	0	0	1	1	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Should we routinely be asking questions to identify hyperacusis on paediatric audiology clinic?		x										
		Screening and management plans essential for children.				x								
		Is it possible to check if the symptoms have improved over time?			x									
		Why isn't it a part of normal hearing evaluation			x									
		Is it routinely checked for when people are fitted with hearing aids?			x									
		How long if at all should these children be monitored or tested?		x										
		Should doctor's assess family history of those with sensitivity to sounds, lights, smell as a factor of possible signs for getting hyperacusis?			x									
		Currently there is no known time frame for reevaluation a person's hyperacusis once being diagnosed which cause issues with accommodation in the workplace, or even being considered for disability. In, fact my doctors get frustrated with all the questions and believe they should only have to diagnose once and not update detailed needs because there is no cure.			x									
		Can it be picked up in the newborn hearing screening programme				x				x				
		is it possible to set up an annual review of a child's hearing?			x	x								
		would this (an annual review of child hearing) be of any help to the child?			x	x								
		Simply do doctors routinely check for hyperacusis in children and are they sufficiently well informed of externalised behaviours relating to the condition in those too young to vocalise their problem.			x									
		Is it worthwhile to check for hyperacusis at a young age?			x				x					
		How can we incorporate a hyperacusis check for children of a young age into regular health routine?			x									
		Does regular monitoring by sufferers of the condition, through equipment and/or tests provided by the NHS, help to manage it better?			x									
		I would like to see whether regular support and check ups helps people better cope with hyperacusis. All too often people see an audiologist but it's a one off and not followed up as a matter of routine.			x									
		As above, would regular intervention/checkups/support help people with hyperacusis. I would like to see NICE guidelines stating how people with hyperacusis should be treated and how often their support should be maintained.			x									
		do they need to be monitored.		x										
		I would like clinicians to see whether people reporting pain from sound have particularly low LDLs in the high frequencies (8-16kHz). I would like clinicians to be checking children's hearing beyond 4 or 8kHz on a regular basis – whether this is for suspected hyperacusis, or suspected hearing loss in the higher frequencies that might affect how they hear certain sounds. I could not understand why children are not having their high frequency hearing checked more often, especially when many can hear to 20 kHz or higher. High pitched noises (15 – 20 kHz) exist in many places, e.g. electrical goods, projectors in school classrooms, fluorescent lights, loud animal deterrents, monitoring tones around 20 kHz in Public address systems. Some people, especially children, may be particularly sensitive to these sounds. There are two issues here: People are often not aware that these high tones exist in places – e.g. audiologists would not be aware of high frequency tones in a child's classroom. As people often do not have their hearing, or LDLs, measured beyond 8 kHz, if someone has low LDLs in high frequencies (e.g. 15 kHz) this might be missed.			x									
IU37	Can early diagnosis reduce the risk of hyperacusis getting worse?		7	2	4	1	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Early warning to take action			x									
		how early should they intervene with management		x										
		How can a person be evaluated before hyperacusis is a permanent problem			x									
		Can hyperacusis be prevented by early treatment before response pathway is activated?			x									
		Could worsening of or of prevention condition be prevented by early intervention or referral to audiologist?			x									
		Can hyperacusis be prevented by early counselling?		x										
		Could it have been prevented/lessened if caught earlier?				x								
IU38	What is the natural history (onset and changes over time) of hyperacusis?		39	11	21	5	0	0	0	0	2	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Is it transient or permanent?		x										
		Can you develop hyperacusis or are you born with it?				x								
		Can you grow out of hyperacusis?				x								
		Relationship between different neurodevelopmental disorders and hyperacusis		x										
		What unique factor(s) common to different neurodevelopmetal conditions is associated with hyperacusis		x										
		Also need to know longer term outcomes for people diagnosed with hyperacusis - does it improve over time or do people adapt to it?		x										
		Why is some hyperacusis temporary (eg) migraine and some not?			x									
		Why does it become that way and sometimes never goes away?			x									
		How come medical people did this to me and now they can't fix me. Also I have pain hyperacusis. But took 2 years before pain became unbearable. What happened?			x									
		Is it a gradual realisation for some or does it just instantly happen to all who get it?			x									
		Is there a hormonal link? Is it because he's growing?				x								
		My son has a diagnosis of SLD and ASD. why has hyperacusis seemingly become so much worse since the onset of puberty.				x								
		Whv does it not eet better?			x									
		Can it aet better?			x									
		Whv does severe hyperacusis appearently not aet better?			x									
		How lone will this last?			x									
		Whv does it not eet better?									x			
		Whv does severe hyperacusis appearently not aet better?									x			
		Does it get worse over time?			x									
		links with Dyslexia		x										
		In some cases does is it part of normal developmental? Many children experience some loudness discomfort, which improves as they get older.		x										
		Does hyperacusis ever go away or go into remission or do you just have to learn to live with it?			x									
		Does hyperacusis come on gradually or suddenly?			x									
		does it get worse with age?			x									
		Is the length of time a patient suffers from hyperacusis different from person to person or is it dependent on the treatment given?			x									
		Can it be brought on suddenly?			x									
		What is the natural history of hyperacusis?		x										
		What is the long term prognosis?		x										
		How long does it take to respond to management		x										
		Can people be born with it or does it develop?			x									
		Can it happen suddenly?			x									
		Do children grow out of it?			x									
		to what extent does the hyperacusis fade over time? as far as I am aware, everyone's hearing gradually deteriorates with age - so at what time will things improve for my 10 year old son?			x	x								
		What can make hyperacusis come back after several years of relief whereas nothing evident happened to make it "come back"?			x									
		Whv is it episodic?			x									

		Are there any patterns in how it progresses?			X										
		What is the natural progression/prognosis?		X											
		1. Association between Hyperacusis and other childhood developmental disorders including autism		X											
RJ39	What is the prevalence of hyperacusis in a general population and other specific populations (e.g. people with autism, mental health issues, learning disabilities, hearing loss)?		42	12	21	2	0	0	2	1	4	No relevant systematic reviews, scoping reviews or guidelines identified. Reliable systematic review has revealed some evidence of prevalence in children but needs updating.	Rosing, S. N., Schmidt, J. H., Wedderkopp, N., & Baguley, D. M. (2016). Prevalence of tinnitus and hyperacusis in children and adolescents: a systematic review. *BMJ Open*, *6*(6), e010596. https://doi.org/10.1136/bmjopen-2015-010596		
		Is it a widesonnad enoush condition to be recognised in the oublic domain and taken seriously?		X											
		Is there a greater incidence of oeoole who have a sudden loss and hyperacusis.		X											
		What % of the population is affected ?							X						
		Need better eoidemioloeical information as it is still unclear as to how many oeoole are affected.		X											
		How many people have given up going to the pub, restaurants because there are so many children screaming and being allowed to by their parents, or loud selfish adults with no volume control. Sometimes the pain is so bad I just leave.		X	X										
		What is the suicide rate for people with hyperacusis?			X										
		How often do people who work in loud settings get hyperacusis?			X										
		What percentage of those suffering hyperacusis also have chronic inflammatory response syndrome(CIRS)/biotoxin illness, a genetic condition affecting up to 25% of the population, depending on exposure to water-damaged buildings, lyme and/or algae toxins, where sensitivity to sound, light, etc. are known symptoms/effects?			X										
		What percentage of people with hyperacusis have elevated GAD-65 anti-bodies which can effect GABA neurotransmitters and make things hyper-excititory?			X										
		What are the percentages of co morbidity across these 3 conditions (hyperacusis, hearing loss and tinnitus)?			X										
		What is the age distribubution or sufferers?			X										
		Can it be triggered by age and going deaf to high frequencies?			X										
		Is it a problem for children w unilateral hearing loss (don't know where sound comine from ...)									X				
		Is it seen more often in children with learning difficulties (and in autism)									X				
		Is it seen more often in children with autism									X				
		How common is it among children with learning difficulties?									X				
		Lot of research is needed in this area in children as the prevalence of hyperacusis is increasing and we still don't understand why some children get it and why is it severe in only certain groups like Autism and better management options		X											
		Is Hyperacusis more common in oeoole who suffer with anxiety or stress related mental health problems?		X											
		Are there some ersuis of oeoole who have more chance of develoning it than others?			X										
		how common is it?			X	X									
		Why, after being in a loud environment such as close to a speaker, does one person come away with tinnitus and hyperacusis whilst others are unaffected?			X										
		Does hyperacusis lead to an increased risk of suicide?		X											
		Children with else-ear often report hyperacusis - what is the prevalence of hyperacusis with else-ear?		X											
		What is the prevalence with and without hearine loss?		X											
		What is the prevalence of persons having hyperacusis?		X											
		Is it more common in people with hearine damage?			X										
		How often does it affect only one ear? (An audiologist told me it is usually bilateral, but mine is in just one ear.)			X										
		Why, out of 100 people exposed to the same loud noise (e.g. 100dB), do only a few people get hyperacusis?								X					
		2) how common is recruitment at cochlear level as assessed by otoacoustic emissions failure but near normal/normal behavioural hearing assessment in children presenting with increased sensitivity to sounds?		X											
		Is hyperacusis more prominent with people who work in loud settings?			X										
		Is hyperacusis common for children born with autism?			X										
		What percentage of the population have ever heard of Hyperacusis?				X									
		I have never been formally assessed for Hyperacusis. I wonder what proportion of sufferers have been?			X										
		why do children get hyperacusis?		X											
		How many people are driven to suicide?			X										
		How many patients are born with this disorder?			X				X						
		How much intrusive noise is prevalent in nurseries, schools and places of work?			X										
		Is it more prevalent with certain co-morbidities			X										
		At what age is it likely to be identified as a problem? I only was identified as deaf in my 40s			X										
RJ40	Is there an association between hearing loss and hyperacusis?		41	4	27	1	0	1	4	2	2	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Is there a link between acoustic damage and hyperacusis			X										
		Does hearing loss cause hyperacusis?		X											
		Does hyperacusis only affect those who have nerve deafness?							X						
		If so, does the degree of deafness, make the sensitivity worse ?							X						
		How is HA related to hearing loss?			X										
		How is HA related to tinnitus?			X										
		Is there a causal link between hyperacusis, hearing loss and tinnitus?			X										
		Can it be triggered going deaf to high frequencies?			X										
		Is hyperacusis linked to progressive hearing loss?									X				
		What is the relationship between hyperacusis and hearing loss?			X										
		Is hyperacusis primarily caused by loss of sensory hair cells, or by loss of nerve fibers and nerve cells?			X										
		How lone does it take to start aettine the symptoms of hyperacusis followine sensorineural hearine loss?			X										
		Does h indicate hearine loss?			X										
		What is the association between hyperacusis and hearine loss?			X										
		Is hyperacusis a symptom of hearine loss?			X										
		Is hyperacusis the result of damage to the ear (e.g. inner hairs)?			X										
		Is hyperacusis the result of the brain 'turning up the volume' too much - i.e. over-reacting - to hearing damage or hearing loss?			X										
		Is hyperacusis more commonly associated with certain types of hearing loss e.g. cookie bite or reverse slope			X										
		Does hearing loss cause hyperacusis?						X							
		Does hyperacusis occur for persons with normal hearing as well?		X											
		Does hearing loss cause hyperacusis?			X										
		If you find yourself with hyperacusis, does that mean you have suffered from permanent noise damage in some way or another?			X										
		Why do most people who get hyperacusis from loud noise not have detectable hearing loss?								X					
		Is increased sensitivity to noises advance warning of the onset of deafness			X										
		Is it linked to hearing loss,			X										
		Do we have malformations in the ears?				X				X					
		Is it the hair cells or the nerve cells that is causing H			X										
		Connection to hearing loss;		X											
		Tinnitus & deafness seems to have heightened my sensitivity to noise - is this usual?									X				
		CAn treating even mild hearing loss lessen the chance of developing hyperacusis?			X										
		Does hearing loss cause hyperacusis?			X										
		Does hidden hearing loss cause hyperacusis?		X											
		I haven't heard of hyperacusis before but have always had an intolerance to certain noises. I assumed it was related to my lifelong single-sided deafness. Could this be the case?			X										
		Is deafness relevant to hyperacusis?			X										
		Any human hearing system gets worn out (hearing loss) over time as a result of ageing and exposure to sound. Is this degenerative process any different for hyperacusis sufferers?			X				X						
		Is it useful and scientifically accurate to tell a young person having this disorder that he/she is far more prone to hearing loss than others?			X				X						
		Does aee-related hearine loss exacerbate the condition?			X										
		Does the loss of hearing accelerate the possibility of having hyperacusis?			X										
RJ41	Is peer support (e.g. support groups, mentors, families) effective for management of hyperacusis?		8	5	1	1	0	0	1	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		do support groups work?		X											
		Support group for parents		X											
		2) Is support and care provided by support groups more effective than care provided by professionals?		X											
		Do those who experience Hyperacusis benefit from attending support groups?		X											
		Students that I have had become quite isolated and struggle to cope at times. Information on coping strategies would help them. Even self help group therapy to share experiences with others would help a great deal.							X						
		Should they have a sponsor/mentor that had suffered from it to help them through?			X										
		What can families / significant other do to help?		X											
		What about having people with knowledge/lived experience/carer in the local community help educate organisation etc?				X									
RJ42	What are the most effective and acceptable strategies to raise awareness about hyperacusis?		42	2	31	2	0	0	3	4	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Are GPs sufficiently aware of the problem, to refer patients for assessment or indeed do audiologists generally ask patients questions about sensitivity to sound ?							X						
		Generally a greater general awareness of the problem & an understanding of the types/levels of noise which cause it and which sufferer needs to avoid.							X						
		I would like to see more awareness in doctors because in my case it's a crippling condition.			X										
		The condition as a whole seems to be totally disregarded by healthcare professionals . Grin and bear it seems to be the line . Why isn't T and H taken more seriously and why is the onus on me to PROVE how bad it is .			X										
		Can more people be made aware of this condition?			X										
		Can employers be made aware of this condition?			X										
		I live in an isolated area. How can more family practice doctors be familiar with this condition? That's the only doctor I can see. I can't travel anywhere due to sound pain.			X										
		I would like to know why hardly anyone in the hearing medical profession know so little about a very crippling complaint			X										
		Should GPs be more aware of such complaints so that they do not dismiss hyperacusis as 'just one of those things' in much the same way as tinnitus sufferers are treated.			X										
		Can GP's be made more aware of treatments or where to signpost?							X						
		Not enough health care providers are aware of the problem			X										
		Yes it should be made more aware for younger people who listen to loud music all the time, Your hearing is very precious and you should be more aware of how to take care of it...			X										
		How best to raise oublic awareness of the effects of hyperacusis on individuals								X					
		Why isn't there more oublic awareness? How can this be created?			X										
		Are eo's sufficiencitly aware of the condition and it's debilitatine consequences?			X										
		Is there a need for general awareness? e.g. public places could reduce multiple noises - eg 3 or 4 TVs within a small space blaring out different adverts - this happened recently in a shop			X	X									
		Can vou olease make the condition better known by oublicising it in the media?			X										
		I recently went to the ENT and was never asked about this therefore make doctors in the specialist more aware			X										

		More awareness and what treatment is best, if any			x									
		How can Gps,school s and HV's be better informed about hyperacusis to make the referral in the first place.? In my experience these agencies have known little about hyperacusis until I have informed.		x										
		Can employers, businesses and public authorities be made more aware of suffering likely to be caused by certain practices, designs or policies? Examples include loud tannoys on platforms, screechy train rails, loud hand driers and warnings for fire drills.			x									
		Why aren't musicians taught about potential hearing problems (such as hyperacusis) from a young age?			x									
		Why aren't there more ENT practitioners and Audiologists who are fully educated and informed about hyperacusis?			x									
		How do we inform society that a lot of noise levels we are exposed to on a daily basis are not a healthy level?			x									
		How can people be made more aware of hyperacusis?			x									
		How can all medical clinicians be informed about hyperacusis so it can be more readily diagnosed?								x				
		Raised awareness of the condition			x									
		Again, a raising of awareness amongst medical staff. After seeing two GPs and an audiologist, all three have had to speak to colleagues as they have never come across anything like this before. Research that gives medical professionals more of an understandine of what it actually is like to suffer from this			x									
		Spreading awareness is very important but how do we keep scams and unhealthy practices for prevention from spreading?			x									
		Not enough written information How much understanding do primary care team have of hyperacusis. GPs have nothing to offer regards advice, so have to anxiously wait for appointment with ENT or audiology services			x									
		Why is this condition not recognised or treated by most audiology services and not recognised by GP's despite it being so debilitating				x								
		How can general public awareness of hyperacusis be raised so that it is de-stigmatised. What I mean is that I am frequently treated as though I am strange because I cannot tolerate certain levels of sound. More awareness and tolerance from others would help.			x									
		A great deal needs to be done in reaching out to schools, employers, and families to advise them how to provide the best support.			x									
		Could health services be improved by letting all specialists know that hyperacusis exists? Some specialists don't even know about it and attribute it to anxietv.			x									
		Why are disability accommodations made for the deaf (loud notifications) and never for those with hyperacusis?			x									
		There must be lots of people like me who suffer from, yet have never heard of hyperacusis. How can we raise awareness?			x									
		Why do audiologists not understand what hyperacusis is and have no understanding on possible treatments?			x									
		Why so little publicity?			x									
		How can we get clinicians to take it more seriously and view it as a condition that needs treatment?								x				
		Again, improving recognition by GPs and others that this is a condition that needs treatment								x				
		What is the awareness of the condition in Primary Care?		x										
IU43	Does avoidance of sound improve hyperacusis or make it worse?		82	14	56	3	0	2	0	2	5	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Does wearing filtered ear plugs help a pe?		x										
		Does avoidine noise worsen pain, distress, or the severity of hyperacusis?		x										
		do the use of custom fit attenuators help - how should they be used - - sound enrichment programs ??		x										
		Can health service provide ear plugs as the norm for all patients as a precaution when undergoing certain diagnostics or treatments.									x			
		Should a Pt person habitually wear ear plugs went out?									x			
		Can hearing conservation methods help prevent hyperacusis?		x										
		do ear defenders make worse?		x										
		Are there any acoustic plugs that could help?		x										
		Should people consider additional ear protection in everyday life, in the same way that sun glasses protect eyes?								x				
		What can be done to protect people's ears from (clearly) excessive volumes through personal headsets?								x				
		How do you tell when you should wear hearing protection, if everything sounds loud over time?			x									
		Does using quieter household equipment and cars help hyperacusis?			x									
		Does avoiding exposure to loud sounds help prevent hyperacusis?			x									
		Or does avoiding loud sounds make it worse?			x									
		Awareness of overprotection and underprotection of the ears.			x									
		Would ear protection in an MRI have prevented this?			x									
		Why are there so few effective management tools - i.e. custom earplugs not very effective, in-ear foamies plus over-the-ear ballistic muffs, helps, but not enough in some situations. I couldn't tolerate the testing for fitting hearing aids to block out certain frequencies.			x									
		Does the constant wearing of earphones particularly for long periods of time or increased volume cause hyperacusis?			x									
		Is the use of ear defenders recommended to help with symptom control?				x								
		Do ear plugs help prevent further hearing loss when acute onset happens?						x						
		What decible levels are just too high to be around ?			x									
		Is there proof that overprotecting exacerbates hyperacusis?			x									
		Is over-protecting my ears actually making my hyperacusis worse?			x									
		When am I overprotecting my ears?			x									
		When am I over-protecting my ears?			x									
		How to manage the correct use of hearing protection in a severe hyperacusis scenario? What is too much and what is too little?			x									
		Can hyperacusis be prevented by isolating yourself from all sounds long term?			x									
		Does avoiding everyday sounds help rehabilitate the auditory system and restore sound tolerance level shortly after hyperacusis onset.			x									
		When am I over-protecting my ears?									x			
		Is over-protecting my ears actually making my hyperacusis worse?									x			
		Which db are too loud?									x			
		By building in "cut off" feature (immed switch off if loud sound above certain level detected) into headphones?		x										
		How to avoid total disruption of life due to extraneous sounds			x									
		ear protection from loud noise		x										
		Can hyperacusis be prevented by avoidine exposure to loud sound?			x									
		Do ear defenders make hyperacusis worse?		x										
		I wear ear defenders when I am using a hoover but wonder if this is the right action. I avoid loud noise but after 15 years I have started to improve and am slowly increasing the sound levels that I am exposed to but worry I am doing the wrong thing.			x									
		Can hyperacusis be prevented if people were routinely issued with or advised to wear earplugs at events?			x									
		Does the use of ear plugs to manage hyperacusis result in the condition getting worse over time or better?			x									
		I walk around the kitchen with ear plugs - when the kids drop items like a knife or fork etc - I'll go through the roof with shock! Are ear plugs the best we've got?			x									
		Should I avoid noises that I find distressing or learn to tolerate them?			x									
		Does earplug help?			x									
		and when too use them (ear plugs)?			x									
		Can earplug help?			x									
		Can spending time in quiet environment cause or worsen condition?			x									
		Can avoiding sounds that cause discomfort worsen the hyperacusis?			x									
		Is the use of ear defenders/noise cancellation headphones detrimental if used sparingly only?		x										
		What is the effect of wearinz noise pluss in normal sound environments?		x										
		Is the use of noise attenuators effective to rehabilitate those with hyperacusis		x										
		Should I avoid certain situations. .like loud music etc.. will this cause it to get worse			x									
		Should I exposse myself to the noises that I'm sensitive too in order to desensitise?			x									
		Are earplues helpful?			x									
		Is noise avoidance helpful?			x									
		Can hyperacusis be prevented by limitine sound exposure?			x									
		Should people be wearine protection more from a young age?			x									
		What can I use to effectively dampen sound in the ear affected by hyperacusis? (Earbuds don't help.)			x									
		What level of noise is dangerous, and how does it accumulate?			x									
		does wearine ear pluss help or worsen the condition?			x	x								
		what sort of ear pluss are best - advice is very mixed on this!			x	x								
		Can hyperacusis be prevented by limit the exposure to daily noise?			x									
		Does avoidine loud noises help or hinder hyperacusis?			x									
		Is there a helpful kind of hearing protection that will prevent symptoms of hyperacusis?			x									
		Does Hyperacusis get better with habituation or should the sufferer avoid sounds that are unacceptable to them?			x									
		Does being the in quiet for long periods make hyperacusis worse?		x										
		Should noise filtering earmoulds be used?		x										
		Does the wearing of ear plugs help ease symptoms?			x									
		If so, which (ear plugs) are the most effective,			x									
		Could hyperacusis be prevented by reducing noise pollution that employees and consumers are exposed to - without any choice over or control - in retail outlets, restaurants and bars?			x									
		Can protecting your ears with attenuating ear defenders or plugs make it worse?			x									
		Devise a means of protecting the patient's hearing specifically devised for people with hyperacusis, so they can live as normal a life as possible.			x									
		What protection can one have against impact noises (e.g., slamming doors) and continuous low frequency sounds (e.g., AC rumble)			x									
		Best type of earplugs. I have heard that musician's ear plugs work for some but not all. Would be great to have ones that block the bad sounds but not all sounds.			x									
		4. Do certain subtypes of hyperacusis benefit from reducing their typical sound exposure during setbacks or flareups (also referred to as "resting ears")? If so, how can we investigate whether there is a universal limit to how long a person should wait before increasing sound exposure again or if it depends on the individual patient's state?			x									
		If you develop hyperacusis, can resting your ears allow them to heal?			x									
		What are the most effective physical barriers used?			x									
		What decibel level causes hyperacusis.			x									
		What research has been done into the use of ear defenders, ear plugs, etc to manage this?			x									
		Does removing constant/regular high pitched sound/ ultrasound in the environment help people with pain hyperacusis?			x									
		I am imagine that it in most cases, hyperacusis could be reduced or prevented by reducing initial/cumulative noise exposure. Reduction of volumes in public places (e.g. cinemas, stadia, loud museums, loud handdryers, loud speakers from magicians and entertainers at children's parties) could all really help prevent hyperacusis and other hearing problems in the public in the future.			x									
		does avoidine noise lead to greater prevalence or smaller prevalence						x						

IU44	Is stress management effective for hyperacusis?		3	0	3	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		How should I behave to avoid stress from sound?			X										
		Can it be prevented by stress manaement?			X										
		Would stress management techniques help reduce symptoms?			X										
IU45	Is hyperacusis a symptom, a condition or a disability?		12	0	10	0	0	0	0	1	1	No relevant systematic reviews, scoping reviews or guidelines identified.			
		How can people be convinced I'm not making this up or am mentally ill? I'm in constant pain.			X										
		How much of a 'handicap' is it?									X				
		Should veteran's with hyperacusis receive a disability rating for it?			X										
		Why is is not treated as a serious disability			X										
		Could hyperacusis be recognized as a disability?			X										
		Find why the race and gay equality law is observed with quasi religious zeal, while disability and age equality law is ignored. Including for hyperacusis, , for people with deafness, and for people on a scale who are distressed by intrusive noise being imposed without consent.								X					
		Can this be recognised as a disability?			X										
		Not classified as a disability. It should be			X										
		People with Hyperacusis need proper acknowledgement similar to other disabilities such as deafness or physical incapacity so that employers and the benefit system recognise the problem. At the moment there is little awareness of the effects on everyday life of sufferers. They are often seen as faking!			X										
		Is hyperacusis a symptom of different disorders?			X										
		Could current healthcare services be improved by turning off all the music in waiting rooms? And by not exposing hyperacusis patients too loud sounds? I would like to see hyperacusis recognized as a serious medical disorder, with appropriate insurance coverage.			X										
		This condition being fully recognized by local health authorities and available treatment i.e local clinics for treatment and support groups.			X										
IU46	What is the level of public/employer awareness of hyperacusis?		11	1	9	0	0	0	1	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Is the condition well known in all areas?			X										
		why is it such a secret - my father must have had it but never knew and there was no information so he just got upset at noise.			X										
		Public understanding of this disorder			X										
		How many people in the general community are aware of this condition and so able to accommodate sufferers for example in cinemas and noisy restaurants?			X										
		Why is the public health field so bad about educating the public about the dangers of noise?			X										
		Are schools and other public organisations aware of the soundscape in their environments and the types of changes that could be made to alleviate symptoms in sufferers and mitigate loud and potentially damaging sounds such as school bells.			X										
		Are people aware that sufferers need far more hearing protection than others?			X				X						
		How many people are aware of it ? I now realise that I have had it but didnt know it was a recognised condition.			X										
		Where are the eaps in awareness and information?			X										
		Is it widley known and understood by the general population?		X											
IU47	What should be the maximum volume (e.g. in movies, concerts, headphones) to accommodate people with hyperacusis?		18	1	15	1	1	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		How can we persuade restaurants/coffee shops and shops to turn off background music?				X									
		Reduce noise levels,in supermarkets, shops, eating places, where loud announcements and music is played.			X										
		1. There is now an extremely wide range of sound-level produced by MRIs having the same Tesla rating; some, such as GE Silent Scan and Siemens Quiet Suite (and to some extent, Toshiba with Pianissimo technology) purport to reduce sound levels by 20-30 db compared to standard machines at same T rating, and patients who have experienced such machines agree. Yet it is extremely difficult to find what machines a facility uses on their websites or from a list on manufacturer's website (instead, one has to call the radiology tech at each facility). Should it be easy for the public to determine what machines are used by each facility? (Perhaps there are regulatory issues or the manufacturer forbids the facility from disclosing the exact model, though they sometimes do disclose who the manufacturer is)		X			X							
		I got hyperacusis from an MRI. Why didn't the tech know about ear damage from a loud sound event?			X										
		Can laws about loudness in different fields (at work, in stores, movie theater, restaurants, every where...) make a difference on the prevention of hyperacusis?			X										
		Could hyperacusis be prevented through tougher laws regarding noise levels at movies, concerts, etc?			X										
		I would like to see more legislation of volume of noise in all areas of life. How can we make the world aware?			X										
		3.Can anything be done about Dyson and his road drill hand dryers !!!!!			X										
		How can you avoid hyperacusis? Bring the noise levels down everywhere such as pubs, cinemas LEGALLY. Investigated few years ago on Health and Safety and they had allowed the . db to be highered. I feel if the Queen had it a cure would be found!			X										
		Brine the noise down in public areas. constant music in shops malls restaurants etc			X										
		Could there be leeislation to control noise levels?			X										
		Could doctors surgeries have quieter bells and bleepers over the tannoy for the next patient? (I went there for an appointment and almost had to leave. the sounds out me in such pain.)			X										
		Could all the toilets at these places not have handdryers?			X										
		Is there a case for implementation of a noise-reduction policy similar to that relating to air-pollution			X										
		Would a legally enforceable reduction of noise levels from amplified music/speech in places accessible to the public reduce effect of hyperacusis			X										
		3. Should maximum exposure guidelines for those with hyperacusis be based on guidelines for normal hearing individuals or based on patient setback history, discomfort/pain thresholds, and risk of repeated overwhelming stimulus leading to chronic pain and maintenance of hyperacusis? Guidelines for normal hearing patients are based on permanent hearing loss and not on the complicated underpinnings of hyperacusis progression.			X										
		Can we get them to turn the music down in stores and movie theaters?			X										
IU48	What preventive measures (e.g. educational information, warning labels) reduce the risk of hyperacusis developing or getting worse?		48	10	33	2	1	0	0	2	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Yes. How can someone avoid the onset?		X											
		Can hyperacusis be prevented by better guidance re aural care.		X											
		If we had greater knowledge about why Hyperacusis emerges this would inform the types of prevention required.		X											
		what measures can be taken to avoid its onset.		X											
		What is the best protection against hyperacusis.		X											
		How can we prevent it?		X											
		Is there any way to prevent hyperacusis other than avoiding loud noises?			X										
		Can hyperacusis be prevented by wearing ear protection in loud environments?			X										
		If we find an association with CIRS, does increase knowledge of the health dangers of water-damaged buildings (or lyme or alrael) help prevent the develoement of hyperacusis and other health effects?			X										
		If we could find a common cause then education could help			X										
		How can I prevent my hyperacusis from getting worse?		X											
		How can hyperacusis be prevented?			X										
		Can hyperacusis be prevented by not acquiring hearing damage?			X										
		Can hyperacusis be prevented by protectinv your hearing?			X										
		How can it be prevented?			X										
		Tied to first question. How CAN hyperacusis be prevented?			X										
		How can children be prevented from developing hyperacusis?			X										
		can you reduce prevalence through environmental / educational interventions			X										
		Is there a specific 'recipe' for developing hyperacusis and if so what is it?how can people avoid it?			X										
		How to prevent it?			X										
		Can hyperacusis be prevented by knowing triggers and being educated about causes?			X										
		Can hyperacusis be prevented by exposure to sound		X											
		Can use of ear protection in noisy environments help prevent hyperacusis?		X											
		Once professional treatment has finished, what can I do to ensure it doesn't happen again?			X										
		And if you know you are more susceptible to hyperacusis, how do you prevent it from happening?			X										
		How can the risks of experiencing the condition be minimised?			X										
		If basic noise protection (e.g. ear plugs) are always used above 85dB then will no one get hyperacusis?								X					
		- If one day, hyperacusis disappears (or almost), what to make to prevent it to come back?			X										
		What strategies can be implemented to prevent hyperacusis from impacting individuals?			X					X					
		Can prevention of hyperacusis be achieved by relaxation techniques.			X										
		How can it be prevented?			X										
		Can hyperacusis be prevented by ear protection?			X										
		How can I prevent it?			X										
		Warnings on extended use of headphones / loud environments. Not just hearing loss / tinnitus that can occur.			X										
		Can hyperacusis be prevented by warning labels in concerts, album covers, music apps, headphone packaging, etc.?			X										
		Can it be prevented bv wearina ear pluas.			X										
		Is it possible to prevent it?			X										
		Can hyperacusis be prevented by wearing earplugs?			X										
		Can we prevent hyperacusis??? How?			X										
		Is it possible to prevent hyperacusis?			X										
		I was not aware there are ways of preventing it (other than relaxation techniques and less stress to ease it). But since it is only caused by, or a response to, external sounds, is there anyway of preventing it other than by being in silence?			X										
		What if anything can be done when they are babies to help to prevent this manifesting in the first place, even if it is a precautionary measure because of difficulties diagnosing at such a young age				X	X								
		Is there any difference if we start in the childhood or any later during life?		X											
		Would better understanding of the condition prevent it in any way?			X										
		How to prevent children with it becoming phobic				X									
		How can people (not yet afflicted) protect their hearing?			X										
IU49	Are there certain personality traits in those prone to hyperacusis?		4	2	2	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Are there particular personality traits?		X											
		Is emotional or sentitivity personality can be the cause of hyperacusis (even if no cause of this kind has been identified nor evident)?			X										
		Does personality affect patients with hyperacusis?		X											
		Are certain personality types more prone to hyperacusis?			X										
IU50	Can noise exposure cause hyperacusis (or make it worse)?		63	12	41	2	1	0	0	4	3	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Does excessive noise exposure whilst in the womb trigger hyperacusis in the unborn child?				X									
		Should a H person expose themselves to perceived loud sounds? White noise or pink or brown ?									X				
		Can hyperacusis be caused of exposure to noise?		X											

		If so what type of noise is more likely to initiate hyperacusis?		x										
		2) does noise exposure cause hyperacusis		x										
		Does noise exposure cause hyperacusis?									x			
		Does short-term (eg 4-hours per week in a nightclub) exposure to loud noise cause hyperacusis or is longer-term exposure to backerround noise (ee road or train noise)?								x				
		What noises tend to cause or worsen hyperacusis?			x									
		What do we need to do to determine (as a society, making policy) whether sound precautions on jobs or public places should extend beyond those typically mandated for preventing hearing loss? In other words, is the public at additional risk for acquiring hyperacusis due to sounds (such as airport announcements, leaf blowers, high-speed hand dryers) beyond that attributable to acquiring hearing loss?		x			x							
		Why do I find some sounds, such as clanging, way more irritating and painful than other sounds?			x									
		Can hyperacusis be triggered by loud sounds?			x									
		Could more places make use of decibel indicators, as they use them in neonatal medicine to encourage staff and parents to keep the noise down? The corridor where I work at the QMC is so loud when individuals shout to each other (no volume control) and I often have to work with my door shut even though I work to an open door policy		x	x									
		Is it exposure to overly loud sounds that mainly cause it ?			x									
		For example the Centre felt that noise cancelling headphones may increase sensitivity. Should I be letting him listen to music too volume with his ear oressed aeainst the speaker?				x								
		Why do my ears hurt hours after sometime moderately loud hapoened?			x									
		If you've been a musician (specifically a brass player) your whole life, and have been regularly exposed to loud sounds, can you continue to work in the field without further damage? Productively? How?			x									
		Why do my ears hurt hours after sometime moderately loud hapoened?									x			
		What is the link between exposure to loud noise (pop music etc.) in early childhood to hyperacusis later on in life								x				
		Evidence of a link between noise exposure and hyperacusis?		x										
		Can hyperacusis be caused by noise exposure?		x										
		Can unexpected exposure to an extremely loud sound trigger hyperacusis?		x										
		exposure to loud noise		x										
		How does loud sound cause hyperacusis?			x									
		Is it caused by acute noise exposure? And how?			x									
		I have ridden motorcycles for over 40 years. For half that time I had no hearing protection and the helmets were not designed with noise in mind. I also used to go to a lot of live music which I had top give up. Is this the reason I was stricken or could it be a hearing anomaly that I inherited from my Mother who also had Hypercusis and didn't ride motorbikes or go to music ?			x									
		Is hyperacusis caused by loud noises damage?			x									
		Is it caused by loud noises in the past.			x									
		Does exposure to loud noise trieeer hyperacusis. or is there a eenetic predisposition?			x									
		How can low freauency causes be measured/identified and tracked to source?			x									
		excose for laraa noicas as causes?			x									
		Is hyperacusis caused by short-term exposure to loud noise?			x									
		Does sudden sounds cause it? TV. what about headsets, anc difference between them?			x									
		Can exposure to loud noise in childhood lead to condition in adulthood?			x									
		Can exposure to loud sounds worsen or cause hyperacusis?			x									
		Does your reaction to certain sounds cause hyperacusis?			x									
		Is hyperacusis caused due to increased noise exposure?		x										
		Can listening to music at loud levels cause hyperacusis?		x										
		Does exposure to noise cause hyperacusis?			x									
		Research exactly why (physiologically) setbacks occur from new loud noises?								x				
		Do loud concerts contribute to the condition?			x									
		Does prolonged exposure to repetitive noises increase the likelihood of Hyperacusis			x									
		Is someone generally predisposed to getting Hyperacusis from noise exposure?			x									
		Do electronic sounds cause hyperacusis and more importantly can they bring about vertigo experienced by Meniere's sufferers?			x					x				
		Does the daily use of headphones with normal volume level cause hyperacusis?			x									
		Is it possible it was caused by a one time exposure to loud noise?			x									
		Is it caused by recurrent loud noise?			x									
		Does long-term exposure to loud noise make hyperacusis more likely			x									
		Does increased exposure to noise make hyperacusis worse?		x										
		Does exposure to unwanted noise pollution/muzak in public places such as restaurants, bars, retail outlets cause any forms of hyperacusis in either staff of these places or consumers who enter them?			x									
		Does extended use of headphones/exposure to noise from loud events cause Hyperacusis ?			x									
		Does exposure to noise cause hyperacusis, such as playing a noisy instrument or listening to music at too loud a volume?			x									
		I would like to see the dangers of excessive noise better defined, so that we can have better legislation, and fewer people are exposed to it.			x									
		Noise is such a big cause. For people who deny noise exposure, it is important to dig deeper. For example, many musicians have hyperacusis but deny noise overexposure. Please put to rest forever the myth that stress causes hyperacusis. The questions that need answering are about HOW noise causes hyperacusis.			x									
		What is the difference between long-term exposure to loud music (or noise) versus exposure to one loud traumatic incident like a firecracker going off next to your ear?			x									
		Why do some people get hyperacusis while other people just become hard of hearing from exposure to loud music?			x									
		Does exposure to normal sounds make hyperacusis worse?			x									
		Does exposure to loud or moderate sound during the recovery period of a brain injury cause hyperacusis?			x									
		Is it caused, or exacerbated, by exposure to loud and/or unpleasant noises? I am thinking not only of loud music and mechanical noise, but also the constant beeping of machines used to monitor infants in neonatal units.			x									
		In my response I am referring to what is sometimes known as "pain hyperacusis" – where sound can cause pain. I am certain that constant/regular very high-pitched sound can cause hyperacusis – this happened to me. This exists in various places, often unrecognised: Loud animal deterrents ,operating constantly or as bursts of sound, in residential environments. In an office, from public address systems which often emit loud tones at 20 kHz which are monitoring the lines to the speakers. See Some electrical chargers, some lighting, some projector fans, some door openers etc I'd also like it more widely recognised that loud impulse noise can cause hyperacusis, and not just tinnitus or hearing loss.			x									
		I used to shout in the army. My ears would "ring" for three days afterwards. I suspect this triggered (sorry) my problems, do you think that is possible?			x									
IUS1	What are the risk factors for developing hyperacusis or making it worse?		25	5	15	2	1	0	0	1	1	No relevant systematic reviews, scoping reviews or guidelines identified.			
		1. What risk factors make it likelier that a person exposed to an apparent cause (e.g. drugs, toxins, sound) will get hyperacusis? (In other words, what's associated with the variation in acquiring hyperacusis given a similar provocation)		x			x							
		Why are some people affected and not others - my Mother had a problem with it from a young age, and refused to go the cinema or out for a meal after she hit 40 as it was just too painful for her. If the phone rang she would jump…		x	x									
		Mine comes on randomly, night or day, lasts a few hours to a day, then goes away. Are there things that trigger it that I can avoid?			x									
		What in his life could potentially be making hyperacusis worse?				x								
		Why do Autism, Tinnitus and heightened stress often co-occur as risk factors?									x			
		Is it a fault in me, that can't be avoided, or			x									
		What makes it worse?			x									
		I assume that some people are more likely to get this than others. We need to know if we have such a pre disposition so you can make a choice.			x									
		Can certain behaviours worsen condition?			x									
		Can susceptible people be identified and monitored?			x									
		Does smoking case Hyperacusis?		x										
		Does smoking in pregnancy result in siblings having hypeacusis?		x										
		Who is more susceptible to getting hyperacusis?			x									
		How can a patient determine their risk level to re-injury from new noises?								x				
		Aaain. is Hvperacusis predisposed in some peoole?			x									
		what is this predisposition characterised by?			x									
		Can it (predisposition) be tested for?			x									
		Are certain oeople more prone to develooine hyperacusis?			x									
		Who should be warned about increased risk of hyperacusis?			x									
		My son who is autistic didn't show signs of it until he was about 2-3 years old, was it developmental like his autism or did somethine haopen to cause it?				x								
		Impact of noise and Muzak in public spaces such as retail outlets, restaurants, bars on people on the general population. For sufferers of hyperacusis is this background level of noise pollution causing them to make mistakes, have falls, have accidents, avoid going out in public?			x									
		Could it be predicted?			x									
		What makes hyperacusis worse?		x										
IUS2	Is attention deficit hyperactivity disorder associated with hyperacusis?		4	1	1	2	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Is hyperacusis associated with other medical conditions/disabilities such as ADHD?				x								
		links with ADHD		x										
		What other conditions might be associated with hyperacusis - eg adhd			x	x								
IUS3	What is the relationship between hyperacusis and autism?		22	9	5	5	1	0	0	1	1	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Is hyperacusis associated with other medical conditions/disabilities such as autism?				x								
		Is there an increased risk of hyperacusis in children on the autistic spectrum		x										
		Is hyperacusis more common in those on the autistic spectrum level?			x									
		Is it just part of ASD?			x									
		what is the cause of hyperacusis in Autistic Children?		x										
		Link between mental health, autism and hyperacusis.								x				
		Is there a link between Autism and hyperacusis?		x										
		links with ASD		x										
		How much more likely are people on the autism spectrum to suffer from hyperacusis?			x									
		relationship between autism and hyperacusis					x							
		Is there a link to other illnesses ie. autism, migraine?			x									
		why such a high prevalence in children with ASD		x										
		Is the sound intolerance seen in autistic people a type of hyperacusis?		x										
		Why do many people with autism have Hyperacusis?				x								
		Relationship with Autism ?		x										
		Does being anywhere on the spectrum make a person more likely to have hyperacusis.			x									

		why do children with autism get hyperacusis?		X										
		Links to autism				X								
		Links to autism in children				X								
		Diaensois and links to autism				X								
		Lots of ozl with autism appear to suffer from it. Is there a direct link?									X			
		is it directly linked to autism??		X										
IUS4	What is the association between hyperacusis and dementia?		5	4	1	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Is reduced tolerance to noise in dementia related to hyperacusis ?		X										
		Are those with dementia more likely to experience Hyperacusis than those without?		X										
		Association with dementia or not			X									
		Is hyperacusis or a type a hyperacusis a common experience in dementias?		X										
		What is hyperacusis for people living with dementia?		X										
IUS5	Which management approach (e.g. assessment and treatment) is most effective for people with hyperacusis and dementia?		8	7	1	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		How do you assess people with dementia for hyperacusis?		X										
		How can we help our patients with dementia who have Hyperacusis as this can be particularly challenging?		X										
		How do clinicians check for hyperacusis in people with dementia?			X									
		How can the hyperacusis experienced in dementia be assessed?		X										
		How can the extreme sensitivity in noise experienced by those living with dementia be managed and made more bearable?		X										
		For those with early stages of dementia, can hyperacusis be managed with education and awareness such that it does not become an issue later?		X										
		How can dementia friendly environments also be desiened to better reduce impact of hyperacusis?		X										
		How can audiology services better recognise hyperacusis in those with co-morbidities such as dementia?		X										
IUS6	Is hyperacusis associated with middle ear pathology?		7	2	5	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Is tonic tensor tympani syndrom a major cause of hyperacusis?			X									
		What is the middle ear's role in hyperacusis (the tensor tympani etc)			X									
		why isn't the middle ear explored more when some people report that their hyperacusis was entirely caused by the middle ear and went awav throuah different surgeries?			X									
		What is the connection between hyperacusis and tonic tensor tvmpani svndrome?			X									
		Is there a relationshio between a history of middle ear disease and hyperacusis?		X										
		Is it linked to ear blockage/full ear feeling?			X									
		2. Any link between middle ear pathologies and Hyperacusis		X										
IUS7	Is there a link between hyperacusis and non-ear-related conditions (e.g. Fibromyalgia, multiple sclerosis, diabetes, chronic fatigue, pernicious anaemia)?		14	2	10	2	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		I've been told that my hyperacusis is caused by fibromyalgia .			X									
		Does multiple sclerosis cause hyperacusis?			X									
		Mostly I'd like to know what can help people with hyperacusis to sleep with normal environmental noise (especially when tinnitus means wearing ear plugs is distressing) or looking at insomnia caused by hyperacusis			X									
		are connective tissue disorders involved?				X								
		He goes through periods of extreme insomnia every few months and defends badly during these times. I'd love to know whether this loss of sleep is related to his hyperacusis.				X								
		We've got lots of allergies in our family - could any of those cause hyperacusis?			X									
		Does diabetis cause hyperacusis?		X										
		Does sleep troubles (difficulties to get asleep,etc) can be a factor for hyperacusis?			X									
		connection to hyperbilirubin		X										
		Is hyperacusis common with peeole diaenosed with Fibromvleia?			X									
		Is there a correlation between hyperacusis and cranial nerve tension. eye strain. and vertiao?			X									
		If there are links between hyperacusis and chronic fatigue syndrome. Online CFS group has recently lots of them mentioned noise sensitivity but don't have the diaenosis of hyperacusis that I do.			X									
		Is there a link to pernicious anaemia?			X									
		According to the Pernicious Anaemia website, people with pernicious anaemia have a tendency to suffer from hyperacusis. PA is hereditary. I have it as did my mother, paternal aunt and paternal grandmother. All also had hyperacusis so is there a link?			X									
IUS8	What is the relationship between mental health and hyperacusis?		21	12	8	0	0	0	0	1	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Do anxiety cause hyperacusis?		X										
		Does anxiety cause hyperacusis?		X										
		Doe anxiety contribute to it.			X									
		is there a link to mental health issues		X										
		Anxiety problems and mental health issues		X										
		Does anxiety cause hyperacusis?			X									
		Link between mental health e.g. depression/anxiety								X				
		How does meditation and anxiety impact hyperacusis and to what extent?			X									
		Is it linked to depression.			X									
		Do mental health disorders cause hyperacusis?		X										
		is there a direct link with hyperacusis and anxiety/depression/mental health issues		X										
		Is hyperacusis linked to any of the following: 1. Depression			X									
		Is hyperacusis linked to any of the following: 2.Anxiety			X									
		How much of the symptom is associated to stress/anxiety		X										
		Does mental health or other issues affect hyperacusis?		X										
		What is the link between anxiety and hyperacusis?		X										
		Do children who present with hyperacusis go on to present with anxiety related problems later in life		X										
		How much can anxiety contribute to hyperacusis		X										
		Are certain mental health conditions linked to hyperacusis?		X										
		Does it cause depression and/or anxiety?			X									
		What role does depression and anxiety, and other mental health issues, play in how it affects people?			X									
IUS9	Is hyperacusis linked to other sensitivities/conditions?		9	4	4	1	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		what co morbidities are thev associated with presenting hyperacusis		X										
		What other diagnosis has hyperacusis been linked to		X										
		Is there a link between hyperacusis and synaesthesia?			X									
		What are the associated co morbidities ?		X										
		Is there a link between Asperger's and hyperacusis?		X										
		is it due to sensory processing disorder or high sensitivity in general			X	X								
		Qu: Do people with hyperacusis have other CNS symptoms ..e.g. sensitivity to bright light?			X									
		Why is my startle reflex also affected by hyperacusis and how is it linked to balance? I not only overreact to loud noises but they can make me freeze too, eg unable to move if a siren sounds nearby.			X									
		Why is my startle reflex also affected by hyperacusis and how is it linked to balance? I not only overreact to loud noises but they can make me freeze too, eg unable to move if a siren sounds nearby.			X									
		Is it triggered by other sensory problems linked to the vestibular system such as photophobia?			X									
		What conditions are associated with hyperacusis?		X										
		hyperacusis which is temporary but debilitatine and linked ot other conditions			X									
		Is it linked with other conditions?			X									
		And what other conditions are perhaps connected, caused by, or preclude Hyperacusis, e.g. Cochlear Hydrops, Ehlers Danlers, autoimmune etc.			X									
		How is Hyperacusis linked to other conditions?			X									
		How common are other sensory sensitivities in children with hyperacusis?		X										
		Do we have anv other disabilities in common?				X				X				
		Its been reported in Williams syndrome, is there a list of other syndromes its associated with?		X										
		What are the relationships between hyperacusis and tactile defensiveness?		X										
IUS10	Is there an association between hyperacusis and other ear-related conditions (e.g. superior canal dehiscence syndrome, Meniere's, Waardenburg syndrome, vertigo, vestibular migraines)?		18	3	14	0	0	1	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Do migraines cause hyperacusis?			X									
		What are the links between hyperacusis and migraine? Does one cause the other?			X									
		Is there a link between hyperacusis and migraine (even between migraine attacks)?			X									
		Is superior canal dehiscence syndrome a major cause of non-bone conducting hyperacusis?			X									
		Do sufferers with Menieres experience hyperacusis?			X									
		Good luck finding a cure. Does tinnitus, hyperacusis and vertigo go hand in hand?						X						
		What physical changes due to Waardenburg syndrome type 1 cause hyperacusis?			X									
		Ssudden acute vestibular failure and single-sided deafness occured at the same instant that I lost balance and hearing I developed a consistent unchanging tinnitus in my 'dead' ear and variable tinnitus and hyperacusis in my hearing ear. What caused this and what are the connections between these discreet symptoms?			X									
		Are any clinicians or researchers considering the links between hyperacusis, deafness, tinnitus and vestibular function and the debilitating effects of the combination of symptoms?			X									
		Is hyperacusis a cause of vestibular miaraine or vice versa?			X									
		Does improvine underlvine vestibular issues ease hyperacusis?			X									
		Is Meniere's Syndrome a contributary cause of Hyperacusis			X									
		Does vertigo cause hyperacusis?		X										
		I believe mine is linked to Menieres with better treatment/management of Menieres will the hyperacusis go away?			X									
		are the causes of hyperacusis different in adults and children?		X										
		Does Ménière's Disease cause hyperacusis?			X									
		What is the incidence if hyperacusis in adults with menieres?			X									
		do people have hypersensitive hearing and hyperacusis.		X										
IUS11	Is hyperacusis linked with trauma (e.g. brain or neck trauma, a traumatic event)?		23	2	18	1	0	0	0	1	1	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Can anv of the following result in hyperacusis: barotrauma from frequent flvine/divine?		X										
		Can Hyperacusis be caused by whiplash trauma from car accidents?									X			
		How much of the disorder could be an inflamatory prosess in the brain.			X									
		Can injury to jaw causes hyperacusis ?			X									
		Can injury to neck causes hyperacusis ?			X									
		If sounds seem louder to me than they really are, are they damaging my hearing?			X									
		Can hyperacusis be caused by whiplash injury?			X									
		Can it be caused by a traumatic event whether mental or physical?			X									
		Does trauma cause hyperacusis?			X									
		Do doctors/specialists check for this condition after brain surgery?			X									
		Is it linked to trauma			X									
		Does high tensions in the first cervicals can cause or be a factor for hyperacusis?			X									

		connection to head injury		X										
		Does trauma cause hyperacusis?			X									
		Can trauma be a cause of hyperacusis?			X									
		My questions are about the science behind hyperacusis: What is noise doine to the ear and brain?			X									
		I was in a cehicle accident and due to whiplash developed invendedxup with hyperacusxis andctinnitus which i did not have before the accudent. Whatbs the reason for developing or cause during the accident that left me this disabling onky my ears/brain affected. ?			X									
		Could it be caused by childhood trauma to the head?			X									
		Does physical trauma cause hyperacusis?			X									
		Is hyperacusis caused by a physical trauma?			X									
		Links to starvation of oxygen at birth				X								
		Relationship if any to either traumatic brain injury, or to hydrocephalus (I am a director of a national charity that deals with hydrocephalus and we see hyperacusis in some people with the condition. Is it related to the hydrocephalus, or would it appear indeoendently?)									X			
		Would any accident to the head have an effect?			X									
IU62	Does stress cause or make hyperacusis worse?		17	5	10	0	0	1	1	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Do stress cause hyperacusis?		X										
		3) Does stress cause hyperacusis		X										
		Does stress cause hyperacusis?		X										
		Does stress cause hyperacusis?			X									
		Does stress contribute to it.			X									
		Can extreme emotional upsets cause huperacusis ?			X									
		Does stress cause hyperacusis?			X									
		Does stress cause hyperacusis?			X									
		Can a stressful life event or an increase in stress levels cause onset of hyperacusis?		X										
		Does stress cause hyperacusis?						X						
		Can stress cause or worsen hyperacusis?			X									
		Is hyperacusis caused by stress and/or a pure psychological reaction.			X									
		Does stress cause hyperacusis?			X									
		does stress cause hyperacusis?		X										
		can it be caused by stress?			X									
		Can hyperacusis be caused or exacerbated by stress?			X				X					
IU63	Why does hyperacusis fluctuate?		4	0	4	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Whv can hvperacusis (and tinnitus) fluctuate from dav to dav or even hour to hour?			X									
		Why does hyperacusis fluctuate?			X									
		Why does hyperacusis come and go again - it can vary according to the time of day, and it can disappear for weeks?			X									
		How is the mental pain formed that I experience with loud noise, and that varies in intensity?			X									
IU64	What is the role of fear in hyperacusis?		3	1	2	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Is there a link to friaht rather than an audiological discomfort		X										
		Does the fear or anticipation of an uncomfortable sound, such as when a siren is approaching, heighten the condition?			X									
		Is hyperacusis related to fear/phobia reactions?			X									
IU65	Which drugs cause hyperacusis?		19	6	13	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Do certain drugs cause hyperacusis?		X										
		what can influence the onset of hvoeracusis? Druas		X										
		Are there particular medications which could cause hyperacusis?		X										
		1) what medications cause hyperacusis		X										
		Do ototoxic druas cause hyperacusis?			X									
		Can this be caused by taking too many antibiotics?			X									
		Can medications (ie blood pressure meds) cause it ?			X									
		What medicines should be avoided ?			X									
		Can hvoer. Be caused by SSRIs. Yes!			X									
		Can certain medications cause hyperacusis?			X									
		What role could SSRIs play?			X									
		Can medications cause hyperacusis?		X										
		relation to anti-depressant druas such as citalopram			X									
		Can drugs have an effect either in causing or curing hyperacusis?			X									
		How does meditation and anxiety impact hyperacusis and to what extent?			X									
		Should specific medications be flagged by the FDA as cause for hyperacusis or flagged as a trigger for flare ups in the condition like for allergic actions so that pharmacies know "this is a prescription a hyperacusis patient should not be on".			X									
		Does specific medication cause hyperacusis?		X										
		does interaction with medicines (ie.naxil's) have a bearing on the cause of hyperacusis			X									
		my question here is written in the first box - ie are there medicines that should be avoided			X									
IU66	Is there a genetic element to hyperacusis?		29	9	10	7	0	0	2	1	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		Is it genetic?		X										
		are there any predisposing factors for hyperacusis		X										
		Do you inherit hyperacusis?				X								
		Is there an hereditary link		X										
		Is there genetic cause		X										
		Is their evidence of genetic predisposition to hyperacusis?		X										
		What is role of heredity?		X					X					
		What is role of develoxment/environment?		X					X					
		Is there a aenetic susseptibtv?			X									
		I wonder whv does a a diaenosis of SLD and ASD predisoose him to hvoeracusis				X								
		family history		X										
		Can hvoeracusis be hereditarv?			X									
		can hvoeracusis be hereditarv?			X									
		Are some people predisposed to the condition?			X									
		Is it hereditarv?			X									
		Are there aenetic or epigenetic factor that impact the likelihood of aettine hyperacusis?									X			
		How common is a positive family history in first degree relatives with sensory sensitivities in children with hyperacusis?		X										
		does it run in families?			X	X								
		if it does run in families, how can you minimise the impact on a child who is likely to inherit it?			X	X								
		Is it something that people are born with and can get triggered by environmental exposure?			X									
		Is there anything genetic in it?			X									
		Is it hereditary?				X								
		Is hyperacusis genetic?				X								
		Is this a genetic condition?				X								
		Genetic links and frequency specific sensitivities.			X									
IU67	What is the best work/study/healthcare environment to support people with hyperacusis?		21	4	14	1	0	0	1	0	1	No relevant systematic reviews, scoping reviews or guidelines identified.		
		How can universities, colleges and schools best help people with hyperacusis to attend lectures and work in laboratories, as well as accessing other learning environments which may be less noisy?		X										
		Can the workplace be made more H-friendly for all people with sound sensitivities?									X			
		What precipitating and perpetuating environmental factors may be further be aggravating the patient's hyperacusis?		X										
		Hyperacusis can be a multi-dimensional, complex condition - requiring an eclectic array of management and intervention strategies. How can this condition be better managed by the community, environmental modifications?		X										
		Can helo be given in the workolace for oeoole with this condition?			X									
		school/work place role and ways they can support family role and ways they can support		X										
		How to neaotiate manaaement of this in a work environment.			X									
		Are there anv proarammes desianed to support oeoole in the workolace?			X									
		Could the healthcare services all have 'sound enrichment' coming through their tannoys? That would be better for hyperacusis sufferers but also for everyone. as it has a calming effect.			X									
		How should we care for people with hyperacusis (specifically, how to make doctors appointments and waiting rooms safe for patients)?			X									
		Is there any way of changing the environment a child lives in so as to protect them from developing the condition?			X	X								
		How can open plan offices be reasonably adjusted to help employees suffering from hyperacusis?			X									
		Would hyperacusis sufferers benefit from removal of televisions, radios, muzak etc from GP surgeries, hospital clinics and wards?			X									
		Would this improve the quality of consultations and care if patients were not suffering from and distracted by this background noise?			X									
		Change the clinic environment to make it less noisy. Home visits for those who cannot travel.			X									
		General information about who to contact in the workplace - is this covered by disability law, etc? I've had no formal diagnosis but I HATE PA system announcements and alarms. It would be great if, say, I could elect to sit in a train carriage that did not have announcements over the PA system, in the same way that I can choose a table seat or forward/backward direction of travel. Every Tuesday morning, we have a fire alarm test. It operates continuously for a couple of minutes, I guess to allow someone to tick that it's operational in different parts of the building. I jump out of my skin every time and have to stop what I'm doing to cover my ears. Having alarm tests when the building is empty would be better or perhaps having an intermittent test (10 sec on; 10 sec off) would work..?			X									
		Could current healthcare services be improved by turning off all the music in waiting rooms? And by not exposing hyperacusis patients too loud sounds?			X									
		Are hyperacusis sufferers properly protected and safeguarded by the current federal, local and state laws / ordinances, e.g. from an employer requiring someone to be exposed to sounds the employer considers 'acceptable'?			X				X					
		Could current healthcare services that deal with invasive procedures for which no diminishing techniques are possible for the patient (so for which earplugs are no solution) be improved by reducing loudness of equipments/devices?			X									
IU68	What are the early warning signs of hyperacusis?		2	0	1	0	0	0	1	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.		
		What signs should parents be told to look out for ?							X					
		How can the early signs of hyperacusis be detected?			X									

IU69	Is hyperacusis related to physical changes in the ear or brain?		74	17	46	5	1	1	2	1	1	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Is hyperacusis primarily a psychological issue?			x										
		How do chanaes in oeriaheral and central auditory system relate to problems of patients in clinical settinas?		x											
		were and how did it start		x											
		What fMRI develooments inform thinkina in this areas?		x					x						
		Do physiological changes within the brain cause hyperacusis or is it a psychological response based on an individual's exercetion?		x											
		What percentage of hyperacusis has a predominantly psychological or behavioural basis		x											
		Is it in the ears or the brain?			x										
		2. What's the mechanism(s) of sound-induced ear pain at onset of hyperacusis?		x			x								
		What are the mechanisms underpinning the possible causes of hyperacusis (e.g. those listed by Baguley, 2003)?				x									
		What role does the acoustic stapedial reflex play?				x									
		What are the causes of variation in the acoustic stapedial reflex? (Goulis et al 1998 identify clinical & sub-clinical hypothyroidism:				x									
		Is the condition related to neurological problems?			x										
		Is it linked to malfunctioning stapedial reflex in some cases?									x				
		functional MRI studies in children with hyperacusis to locate which area of brain is involved and what is the possible mechanism?		x											
		What role, if any, does the cochlear feedback mechanism have in hyperacusis?			x										
		What is the mechanism that causes hyperacusis?			x										
		How can we uncover the underlying what physically happens in the ear and/or brain that causes hyperacusis in order to develop a cure?			x										
		Is hyperacusis physical, emotional (limbic system), or both?			x										
		Are there physical factors?			x										
		Are there psychological factors?			x										
		Are there environmental factors?			x										
		Is there a gut-brain axis link? In other words, can the state of your gut and gut micro biome affect the state of your hearing - acuity, loss or quality? Since both what we ingest (food or drugs) as well as stress can affect the composition of the micro biome - I would be interested in knowing if there is a link to hearing and if so, can the first be modified to impact the second?			x										
		Is it caused by a physical reason rather than psychological?			x										
		what mechanisms are affected?			x										
		What happens to the brain when some people with dementia develo hyperacusis and some don't			x										
		Cause and what part of the auditory system is effected.			x										
		Qu: Is hyperacusis a problem centralised or peripheral auditory phenomenon?			x										
		Is it associated with previous auditory exposure or symptomatic of a CNS issue?			x										
		If we are looking for a cure, should we be looking to intervene in patients' ear, or brain, or both?			x										
		How can it be established whether or not it is an ear problem or a hearing problem or a psychological problem?			x										
		IS there a physical basis for hyperacusis		x											
		Is it a psychological problem rather than that affected by hearing?		x											
		Assess OAEs and ABR results in hyperacusis patients. Are there differences compared with normal population.		x											
		Is hyperacusis more psychological than physical?			x										
		Is it a physical condition or a mental condition?			x										
		Is it all in the mind?			x										
		Is there a link with brain damage? Ie. Misophonia has been linked with a brain disorder by research in Newcastle.			x										
		What is the ohvsical mechanism?								x					
		Please tell us. what is the underlvine mechanism!!?			x										
		Please. what are the mechanisms of Hvperacusis?			x										
		What part of the condition is in the limbic system (influenced by stress and emotions), and what is purely physical symptoms?			x										
		How do thev relate to each other (limbic svstem and ohvsical) - and how should thev be treated?			x										
		what biological factors cause.			x										
		Is it a ohvsiological or psvchological?							x						
		Does hyperacusis have a physiolgine or psycholgical origin or both?		x											
		1) how common is dysfunction of the stapedius muscle in children presenting with increased sensitivity to sounds		x											
		to what extent is it unavoidable/in vour eenes and to what extent is it caused by environmental factors?			x	x									
		What creates the sensitivity- is it emotional or physiological		x											
		Can noise exposure, trauma, infections or neuroma alter the way the auditory pathways process incoming signals and therefore process it is painful/discomfort?		x											
		When the underlying mechanism of the condition is not understood, shouldn't the first source of data be the patient?			x										
		Does sensitivity vary with mood as it seems to with Tinnitus?			x										
		How is Hyperacusis perceived (either brain or ear level)?		x											
		Is it caused by anything physical - eg anatomical features (born with or developed) or any kind of trauma?			x										
		Does hyperacusis have a physiological cause or is it primarily psychological? Hyperacusis is often seen in people with normal hearing but who have experienced an acoustic trauma.		x											
		What actually is happening in the ear/brain that causes Hyperacusis ?			x										
		Is hyperacusis all in the mind?			x										
		Is there something wrong with the ear or the hearing part of the brain in hyperacusis sufferers?			x										
		What are the mechanisms? Middle ear, inner ear, brain?			x										
		1. What is the mechanism of sound induced ear pain at onset?			x										
		Does damage to the inner ear cause hypercusis?			x										
		What is the psychological and emotional impact of suffering from this condition? The forced isolation. Not being able to particioate in social eatherines.			x										
		Is there a psychological comoonent to dealing with hyperacusis?			x										
		What is the mechanism?			x										
		Does damage or chanaes in blood flow cause it? Or is it more damage from loud sounds?			x										
		Where is the damage?			x										
		Is hyperacusis biological or psychological? (I have been told its both, (superior semi circular canal dehiscence and also associations that I have made over time with certain sounds)			x										
		What are the physiological triaaers that cause hyperacusis			x										
		Why it is a huge problem amonast people living with dementia and is caused by brain diseases			x										
		What are the possible neurological mechanisms				x									
		Is there a physical cause of hyper acusis?		x											
		Is hyperacusis related to noise exposure OR to childhood ear disease						x							
IU70	Does nerve damage cause the pain associated with hyperacusis?		5	2	3	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Does svnaptopathv lead to hyperacusis?		x											
		Could it therefore be related to svnaptopathv resultina in reduced inhibition?		x											
		Why do people experience pain ?			x										
		Is other anatomy involved, such as facial nerves?			x										
		I want to know the mechanism behind hyperacusis with delayed and lasting pain. Do nerve damage cause this?			x										
IU71	What area(s) of the brain and patterns of activity is/are associated with hyperacusis?		29	9	16	1	1	0	1	1	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		I am very interested in the role of the PAG area of the brain and PTSD like behaviour		x											
		Is there a model that can explain it?		x											
		What are the Central Processing causes in Paediatric population		x											
		What parts of the brain specifically contribute to the response.		x					x						
		Is there an underlvine brain disturbance causine hyperacusis?		x											
		What does this mean neurologically, and how useful is it in characterizing hyperacusis for treatment studies?		x			x								
		What is happening I need the brain to cause hyperacusis			x					x					
		Yes- we need to know what within the brain happens when hyperacusis evts triggered.			x										
		Could there be an inflamatory process in the auditory center of the brain triggered by very loud noise that causes it ?			x										
		Can an MRI or Cat Scan show brain abnormalities that are linked to hyperacusis			x										
		What causes it? Presumably?? It's due to neurotransmitters gone wrong. If this pathway could be discovered more then I hope a cure could be discovered.			x										
		It is somehow linked to the neurotransmitters for akathesia, and severe stimulus overload and pain and the vagus nerve, as my chiro can turn it down a notch by releasing blocks there. I also have ME/CFS			x										
		Can brain imaging be used to diagnose?			x										
		functional MRI studies in children with hyperacusis to locate which area of brain is involved and what is the possible mechanism?		x											
		Should a brain scan be required for correct diagnosis, in addition to physical examination and audiology screening?			x										
		Can we play a very faint sound and look at the ABR, EEG or MEG scans and tell who has hyperacusis and who does not?			x										
		witch part of the brain (or hearing system) is damage?			x										
		What neurotransmitters cause hyperacusis?			x										
		What are the anatomical causes?		x											
		Role of brain		x											
		Does somethine hapoen inside the ears or to the brain durine a hyperacusis soike?			x										
		Find a way of specifically tarnetine the sain pathways in the auditory system. to reduce pain.			x										
		6. Can PET scans be used to localize pain sources? PET scans are much quieter than MRIs and different tracers can detect traditional inflammation, neuro-inflammation, and growth in substance-P receptors. MEG scans are also quiet and are already used for tinnitus.			x										
		Which part if the brain, auditory complex is malfunctioning?			x										
		Autism and misfunction of brain				x									
		Does the lack of correct signals in the brain cause hyperacusis?			x										
IU72	Can otitis media with effusion cause hyperacusis?		6	4	1	0	0	0	0	0	1	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Can any of the following result in hyperacusis: recurrent childhood otitis media with effusion?		x											
		Can any of the following result in hyperacusis: ear infections as adults?		x											
		Is it often seen in children with glue ear									x				
		Can sinus/ear infection cause hyperacusis?			x										
		Does glue ear cause hyperacusis?		x											
		is glue ear a cause.		x											

IU73	Can infections (e.g. measles, yeast, viral) cause hyperacusis?		10	2	7	1	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		what can influence the onset of hyperacusis? Virus		x											
		Is one of the possible underlying causes a viral infection?		x											
		Can this be caused by a virus?			x										
		What relation to Hyperacusis does Tinea Versicolor have?			x										
		What relation to Hyperacusis does Candida overerowth have?			x										
		Can childhood diseases cause hyperacusis?			x										
		Can having measles as a child cause hyperacusis?			x										
		Can viruses cause hyperacusis?			x										
		Do sinus infections increase the effects of hyperacusis?			x										
		Can infection contracted during birth or shortly after birth cause hyperacusis?				x									
IU74	Can ear care (suctioning, syringing, swabbing) cause hyperacusis?		5	0	4	1	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Does the insertion of cotton swabs deep inside the ear canal cause hyperacusis?			x										
		Are people who have lots of ear wax more susceptible to hyperacusis when wax is removed?			x										
		Does regular ear cleaning help or worsen the condition?			x										
		Does ear syringing cause hyperacusis?			x										
		My daughter complained of severe pain from her left ear after having her ear suctioned. This did not go away so my question is: Does ear suctioning in an hospital setting cause Hyperacusis in children or adults?				x									
IU75	Is hyperacusis due to physical or psychological issues or is it a combination of both?		32	6	22	3	0	0	0	0	1	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Does anyone really know what the cause is?			x										
		Causes of hyperacusis		x											
		what causes hyperacusis in children.		x											
		What are the five most common causes of hyperacusis and		x											
		What causes it?			x										
		Are there different underlying conditions that cause hyperacusis?			x										
		Why do I have hyperacusis if I have always avoided loud noises?			x										
		What does cause hyperacusis? I realise I have it though it hasn't been officially diagnosed.			x										
		Can it occur with no obvious cause?			x										
		Is hyperacusis caused by other disorders such as autistic spectrum disorder.				x									
		What the typical cause and how can it be avoided			x										
		Why do people suddenly develop it			x										
		I would like to know what really causes hyperacusis		x											
		Was it caused by high amount of stress or a severe cold I had at the same time?			x										
		What can cause hyperacusis other than loud noises? But I have to say I'd prefer research to focus more on treatment options...									x				
		what causes the hyperacusis			x										
		What causes hyperacusis rather than tinnitus/hearing loss			x										
		I want to know all there is to know, why does this happen, will it always be there, how can I help myself because asking someone else takes far too much time			x										
		Is it neurological			x										
		At present we are not sure how hyperacusis starts. The causes need to be identified before we can understand how to prevent it		x											
		What causes it?				x									
		What are the different types of cause - medical, psychological etc.		x											
		I know it comes on gradually, but what actually caused it?			x										
		Is it triggered by worry about hearing a loud noise or can a loud noise in itself trigger the condition?			x										
		What causes hyperacusis to start? (In my case I think it was a virus I was exposed to in my early forties.)			x										
		What, other than a sound traumatism, can cause hyperacusis? (I think that I experienced a sound traumatism in my case).			x										
		What is specific that causes hyperacusis to be present.			x										
		What is the cause of hyperacusis?			x										
		Are there any specific triggers?			x										
		Researchers should compare the different causes e.g. noise, or physical injury and show if they create different symptoms.			x										
		Can we discover what causes the vast changes in the sounds?			x										
		What are the possible causes, and neurological mechanisms				x									
IU76	Do dental problems cause hyperacusis?		3	0	3	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Can wisdom teeth cause hyperacusis? I've found three patients stories where hyperacusis went away after removing impacted wisdom teeth but also some accounts where wisdom tooth removal caused the hyperacusis. More crossover work between audiology, dentistry and ENT is needed.			x										
		Can teeth grinding cause condition?			x										
		Does a bad tooth occlusion can cause hyperacusis (tooth contacts only on the very latest tooth on each side of the mouth)?			x										
IU77	Does learned behaviour from family members with hyperacusis increase the risk of hyperacusis developing?		6	3	3	0	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Will living with a family member who has hyperacusis cause hyperacusis? (i.e. learned behaviour)		x											
		If parents are sensitive to certain sounds and display a negative behavioural response to sound - can this learnt behaviour be transferred over to children, resulting in anxiety and hyperacusis?		x											
		Can hyperacusis in young children be further prevented by parents - simply by ignoring their child's negative reaction to certain sounds and providing children with positive feedback on these sounds? Eg: if parents are relaxed in the presence of the sound source will their children be relaxed too/		x											
		Can hyperacusis be learned? (i.e. could we have been sensitised to it by our mother?)			x										
		was I brought up to hate unnecessary and irritating sounds?			x										
		How much is hyperacusis down to learned sensitivity?			x										
IU78	Can hyperacusis be caused or made worse (e.g. by hormonal changes) in pregnancy?		2	0	1	1	0	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Can hyperacusis be caused by hormonal chages in pregnancy?			x										
		Is it anything that I did when I was pregnant with my child?				x									
IU79	Do musculoskeletal problems cause hyperacusis?		9	1	7	0	0	1	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Does TMJ cause hyperacusis?			x										
		How can I get sick time when it's a disability that can't be seen so is not acknowledged.						x							
		Could there be muscular involvement(neck, jaw, etc) which could be making it worse ?			x										
		If Sound exacerbates this condition, should this be somehow further legitimized and definitively recognized for disability claims for career musicians!			x										
		Can hyperacusis be caused by wear&tear in body areas outside the ear eg the jaw joint or the neck/upper spine?			x										
		Can it be caused or worsened by jaw problems?			x										
		Do spinal problems cause hyperacusis?		x											
		Can posture and jaw movement affect the tone or severity of hyperacusis?			x										
		What is the connection between TMJ disorders and hyperacusis? I know that TMJ treatments have made my hyperacusis worse.			x										
IU80	What is the best way to differentiate hyperacusis from other hearing conditions (e.g. recruitment, misophonia, Meniere's, tinnitus)?		11	3	6	0	1	0	0	1	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Is there specific strategies for managing hyperacusis as apposed to misophonia		x											
		Should audiologists know how to distinguish it from recruitment		x			x								
		How can they tell whether it is recruitment or hyperacusis?			x										
		Can Misophonia (intolerance to biological sounds: breathing, swallowing of others) cause hyperacusis?		x											
		Is there a clinical way to differentiate between hyperacusis and misophonia?			x										
		How is hyperacusis measured in adults with a diagnosis of Meniere's disease?			x					x					
		Is the assessment of hyperacusis different for tinnitus sufferers?			x										
		2. Can more be learned by studying patients with unilateral ear pain from sound. Much was learned about recruitment by studying unilateral patients.			x										
		3. Should auditory processing of hyperacusis patients be looked at more closely rather than immediately diagnosing discomfort not objectively related to loudness as misophonia (the consequence of emotion)? Frequency, signal envelope, signal complexity, etc. may be involved independent of emotion and may in fact be evoking emotion in certain cases.			x										
IU81	Which criteria should be met to diagnose hyperacusis in adults/children?		45	23	15	5	0	0	0	0	2	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Does labeline sensitivity to sound as hyperacusis help?		x											
		How can hyperacusis be checked for most effectively in orimary care settines?		x											
		Is there a standardised assessment scale for assessing distress experienced			x										
		I've never been assessed for hyperacusis. Who is it that does this and how?			x										
		A validated questionnaire. The Khalifa eradine is too value.		x											
		Do we need to screen for hyperacusis and how best to do this?		x											
		Are General Practitioners able to spot Hyperacusis?									x				
		how can we assess in children.		x											
		child assessment		x											
		1) How do clinicians check for hyperacusis in children		x											
		2) What assessment tools are there for diagnosing hyperacusis in children		x											
		What is the easiest method to determine if hyperacusis is present.		x											
		Can a specific diagnostic test for children be developed		x											
		How do you assess for hyperacusis in children?		x											
		Could current healthcare services be improved by having it defined in its own right as a health condition and placed on ccg complex tariff costs? (Paid for then)		x											
		Could screening questions for hyperacusis be useful when a patient presents to the GP with tinnitus?			x										
		Are GPs able to diagnose hyperacusis?			x										
		Referred to a specialist paediatrician who was unable to assess his auditory processing properly because assessment instruments and equipment hadn't yet been made available in NHS.				x									
		Are there any ways of checking if you have hyperacusis?			x										
		Could hyperacusis be a disability label to help with long term care? I'm only 17. What will I do when my parents die?			x										
		Yes; usually complained of by parents who notice eg 'loud noise distresses him' I used to send these children to a hearing therapist who has now left... Depends if children have H As ? loudness discomfort levels etc									x				
		What is mild or bad			x										
		My son has huge auditory processing issues, why are certain sounds so painful and others e.g his loud vocalisations and music not? Is it about out of control of certain sounds?				x									
		Is there a scale of severity for hyperacusis?			x										
		How do you measure dearees of hyperacusis?			x										
		I have had every ear test & MRI scan. How else can I be tested?			x										

		How can clinicians test for hyperacusis in children or adults without causing a lot of pain during the following days or even weeks?			x									
		I would like to see a questionnaire devised and validated to identify children with a significant degree of hyperacusis and one which can rate its severity.		x										
		Should audiology clinics ask specific questions related to sound sensitivity to identify children with hyperacusis. ?-many parents don't know it is a condition and can be treated.		x										
		Difference of assessments within different environments like observations at school home and in a social environment as a controlled environment would not effect children s to much it				x								
		What assessment tools and tests should be used for children?		x										
		How are children assessed and how can I reassure my child before the assessment?				x								
		Are the tests ones which can only be administered by specialists or are they GP friendly?			x									
		What is best assessment method for hyperacusis in toddlers?		x										
		is there a questionnaire that is used or validated when asking parents about hyperacusis		x										
		What is true hyperacusis and just reduced level of tolerance?		x										
		How do you distinguish between the two (hyperacusis and reduce sound tolerance) as it is not exactly the same?		x										
		Is there a listening test where I can self report in what circumstances my hearing becomes hypersensitive?			x									
		how can you best assess hyperacusis in children?		x										
		how do you measure severity of hyperacusis?		x										
		What categories are there for hyperacusis?		x										
		How do you access different degrees of hyperacusis			x									
		I would like to see a way to differentiate between the severity of hyperacusis from one person to the next.			x									
		Is it on a sliding scale of disability?		x										
		My experience with this is that Hyperacusis is not assessed in any way just decided by symptoms in the patient and past history in my daughters case. How do clinicians assess/diagnose in children?				x								
IUI02	What are the 'red flags' for serious underlying conditions in hyperacusis?		4	2	1	0	1	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Are there important red flags to cover in the assessment		x										
		Can you rule out a more serious disorder, like a brain tumor, or see a definite association with more serious disorders with cumulative research and results with your research to date?			x									
		what observations/reports trigger an hyperacusis assessment in contemporary UK practice?					x							
		Are there any concerning causes of hyperacusis i.e. red flags for serious pathology underlying this		x										
IUI03	Do any drugs prevent hyperacusis?		9	4	4	0	0	0	1	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Avoidance of certain medication		x										
		Are there prescription meds to reduce or eliminate hyperacusis?			x									
		Medication? Such as amitryptyline?			x									
		Are there any drugs that can stop it getting worse?			x									
		Is there a pharmacological intervention for prevention of hyperacusis?							x					
		Does ototoxic medication avoidance prevent hyperacusis?		x										
		Is there a vaccine that can prevent hyperacusis?		x										
		Can hyperacusis be prevented by medications?		x										
		Can antidepressants and other drugs prevent hyperacusis developing?			x									
IUI04	What management approach for hyperacusis is most effective for adults/children with autism?		8	5	0	1	2	0	0	0	0	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Does better awareness of hyperacusis help children with high functioning autism/Aspergers understand their condition and cope with it better?				x								
		management strategies children and the this differentiated for children with Autism or developmental delay.		x										
		2) How can children with ASD be helped with hyperacusis		x										
		What management is best for Autistic children with hyperacusis?		x										
		does autism diagnosis preclude investigation of hyperacusis investigations in contemporary UK practice?					x							
		I suspect that an autism diagnosis precludes hyperacusis investigations, and that healthcare provision therefore isn't available for autistic children who also suffer hyperacusis.					x							
		In complex children (severe autism, severe processing disorders, abnormal anxiety in children) having to deal with auditory desensitisation is bottom of priority list OR anxiety needs to be addressed first via psychology/CBT before the auditory aspect can be addressed - - feels like all referrals come to audiology, where in fact it would be more appropriate to refer to other services first.		x										
		how do you help autistic children with hyperacusis?		x										
IUI05	Which self-help interventions are effective for hyperacusis?		29	3	18	2	1	1	3	0	1	No relevant systematic reviews, scoping reviews or guidelines identified.			
		Cures would be great but more research into self manaement			x									
		What treatments are there & are there any exercises or anything that can be done at home?			x									
		You have said it above - Treatments please , self help techniques , rehab , and support to prevent it being the invisible prison it has become for me.			x									
		Tips and ideas to help cope in everyday environments.							x					
		Where to aet Self helo techniaues .							x					
		Students that I have had become quite isolated and struggle to cope at times. Information on coping strategies would help them. Even self help group therapy to share experiences with others would help a great deal.							x					
		Devices for self management need to be available			x									
		What can I do to get relief?			x									
		stratges to help to lessen the symptoms			x									
		I want to know all there is to know, why does this happen, will it always be there, how can I help myself because asking someone else takes far too much time			x									
		Apart from avoiding obvious noisy places -what day to day things could one do by oneself?			x									
		Is there anything at all that Hyperacusis people can do to reduce the effects of Hyperacusis			x									
		What is the best form of self management?		x										
		What can people do for themselves to best overcome hyperacusis			x									
		What are the techniques most likely to help?			x									
		What can I do in my own time while I wait for the profesional treatment to start. to speed up recovery?			x									
		Once root cause has been established. how effective is this in heloine with cosine machanisms		x										
		Do heloine techniques improve the quality of life and allow the sufferer			x									
		Do heloine techniques allow the sufferer to be involved more in society			x									
		What techniques have the best outcome.			x									
		Self-management and what approach is best.		x										
		Could there be an easily accessible self-management programme?			x									
		self helo to reduce symptoms???									x			
		What kind of therapy would be available to help to desensitise people with the condition, or coping strategies given to help to live with it.				x	x							
		How silo I treat it on my own? What can I do to treat it? My ent doctor is not taking my problems seriously and there is no audiologist near where I live			x									
		Is it possible to develop clear self-help guidelines for people with a combination of hearing loss, tinnitus and hyperacusis?			x									
		Which treatments have been proven to help, and how do they help - the same for self management				x								
		how can we get evidence for and promote better self-management						x						