Tinnitus

What causes it? How does it become a problem? What can be done about it?

Purpose of today session:

- Basic understanding of tinnitus
- Useful management advice
- Meet other people with similar condition
- Option for treatment if required

- What is tinnitus
- Anatomy and physiology of the ear
- Causes of tinnitus
- Hearing and hearing losses
- Model of tinnitus
- Treatment of tinnitus

What's in your pack?

- Hearing Test results
- Product Catalogues
- Tinnitus leaflets
- Self-help for tinnitus
- Copy of today's presentation
- Further appointment request form



What is tinnitus?

The sensation of hearing a noise in the absence of any external sound

> Ringing Buzzing Hissing Pulsing And many more...

Who gets it?



10% of adults in the UK experience tinnitus frequently.
5% find the tinnitus troublesome.

Tinnitus is not confined to the Elderly – it can occur

at any age!

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Why do I have Tinnitus?

The brain is actively <u>filtering in</u> information that it previously ignored.

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Causes of Tinnitus



- Hearing loss
- Noise exposure
- Inner ear infection
- Ear conditions
- Stress
- Trauma
- Medication
- No known cause

Referral to ENT or GP or for and MRI scan?

Ear, Nose and Throat

- Pulsatile tinnitus
- Clicking tinnitus
- Conductive hearing loss (hearing loss from the outer or middle ear)
- Fluctuating hearing
- Sudden or rapid hearing loss

GP

- Significant dizziness
- Abnormal eardrums
- Pain in ears
- Ear infections
- Ear drums are not moving (glue ear)

MRI Scan

- S Asymmetric hearing loss
- Tinnitus in only one ear

Referral to ENT or GP?

Ear, Nose and Throat About a five month wait – they will contact you to arrange an appointment

We will write a referral letter you your GP – please book an appointment with them as soon as possible.

GP

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Your Hearing Test



Age Related Hearing Loss



Noise Exposure



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How your Brain Reacts



- When you first hear tinnitus your mind doesn't know what to make of it!
- But as time goes on your mind may react in negative emotional ways.



The Heller and Bergman (1953) Experiment

Steven Orfield

Where's Wally?







Why am I so troubled by the tinnitus?

- Communication
- Warning

- Background
- Emotional





Autonomic Nervous System



Model of Tinnitus



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Treatment



The goal is to **habituate** to the tinnitus.

THERAPY TOOLBOX

Habituation

Decrease in the **response** to a stimulus after **repeated** exposure.





Adapting to Tinnitus



Like moving to a house on a busy road – at first all you notice is the traffic after a while you don't notice it.

Understanding how our brain reacts to noise is the 1st step to being able to live with Tinnitus

Progressive Process

- The aim is to change how you react to the tinnitus.
- There may be days when you're overtired or stressed and Tinnitus is more troublesome
- Learning how to change your reaction means the bad days will be fewer and further apart.



How can we do that?







- Information and reassurance (todays session)
- Hearing aids
- Sound therapy
- Changing thoughts
- Sleep management
- Relaxation




- Any degree of hearing loss should be addressed because straining to listen makes tinnitus worse.
- Brings up external noises reducing internal.
- Takes attention from Tinnitus.
- 3 Months acclimatisation.

Sound Therapy

Now used to "mingle" with Tinnitus

- Reduces perception of Tinnitus
- Allows habituation
- Useful for people with "normal" hearing





They produce quiet, **natural sounds**, such as a babbling brook, leaves rustling in the wind and waves lapping on the shore.

Changing Thoughts

- Identifying and modifying unhelpful thoughts and behaviours with regard to tinnitus.
- Removing negative connotations.
- Accepting the tinnitus noise.



Sleep Management



- It's normal for everyone with tinnitus to experience a period of sleep disturbance.
- Learning to switch your focus away from the tinnitus.

Self help and Relaxation

Relaxation techniques help to reduce stress.



Do the things that you enjoy!



take on tinnitus



www.tinnitus.org.uk/Tinnitus

TINNITUS FIRST AID KIT HOME WHAT IS TINNITUS? YOUR FIRST AID KIT ABOUT US



It is natural to be concerned about what is happening, but there are lots of things you can do to help yourself and to reduce the impact of tinnitus. The Tinnitus First Aid Kit will help you take those first steps.

Sleep and Relaxation Group



Maintaining Balance



- Strike a balance
- Quiet/background noise
- Active/ relaxed
- Your Autonomic
 Nervous System will be back in balance

Things to remember



- There are a variety of treatments that can help relieve your symptoms
- The key is thinking differently about your Tinnitus.

Chasing Cures



 Chasing cures for tinnitus is counterproductive as it encourages you to focus on your tinnitus.

What happens next?



What happens next?

- If you would like a sound oasis see catalogue.
- If things change contact us directly either by email or phone.
- Head of Hearing Therapy is Claire Gatenby: email - <u>claire.gatenby@nnuh.nhs.uk</u>
- Department phone number is 01603 287284

Useful websites:

British Tinnitus Association: http://www.tinnitus.org.uk

NHS Choices: <u>http://www.nhs.uk/Pages/HomePage.aspx</u>

Hearing Link: http://www.hearinglink.org/tinnitus

Relaxation tutorial:

http://www.uctv.tv/searchdetails.aspx?showID=18750&subject=health

