

Information for Patients

# Checking a Bone Conduction Hearing Aid

Child's name:

.....

Volume of aid:

.....

On/Off control:

.....

Teacher of the Deaf:

.....

Mobile telephone contact: .....

## Bone Conduction Hearing Aids

A Bone Conduction (BC) hearing aid allows the sound to travel through the mastoid bone rather than the middle ear.

These hearing aids are suitable for children who have lots of ear infections which have caused a hearing loss. They are also suitable for a child that has an out of shape or collapsed (stenosed) ear canals. This stops sound from getting to the hearing nerve.

A BC aid is made from a hearing aid and a transducer. The hearing aid microphone receives sound which is carried along the wire to the transducer which is placed on the mastoid bone. The transducer turns sounds into vibrations which travel through the hair, bone and skin to the inner ear (cochlea).

BC aids are either fitted onto head bands or sweat bands. The transducer needs to sit close to the skull in order for the vibrations to reach the cochlea.



BC hearing aid on a hard headband



Listening stick (stetoclip)

## Checking a BC Hearing Aid

1. Remove the wire from the transducer.
2. Attach a listening stick (stetoclip) with button adaptor to aid using a 2-pin connector.
3. Switch on the hearing aid. Listen to the microphone to check it is working and the wire has carried the sound to the transducer. If there is no sound try changing the battery.
4. Make sure that the sound quality is good for example no crackling.
5. Check that the volume goes up and down without changing. The hearing aid may not sound that loud and you may need to turn up the volume in order to check it.
6. Check the transducer is vibrating. This can be done by finding a quiet room, placing the transducer on your mastoid bone and talking with your fingers in your ears.

*If there is a fault you need to contact your named Teacher of the Deaf.*



BC hearing aid on a soft headband

## Would you like to know more?

The Sensory Inclusion Service hearing impairment team (SIS HI) run a course every September/October specifically for teachers with Hearing Impaired children in their classes.

If you are interested in attending, please contact your visiting Teacher of the Deaf (ToD).

Thank you for taking the time to read this leaflet.

### Contact us:

Phone: 01743 261482

SMS: 07913798467

Email: [sath.audiology@nhs.net](mailto:sath.audiology@nhs.net)

Web: [www.sath.nhs.uk/services/audiology](http://www.sath.nhs.uk/services/audiology)

### SEND and Inclusion

6th Floor (B) Darby House, Lawn Central  
Telford, TF3 4JA

Email: [SENDandInclusion@telford.gov.uk](mailto:SENDandInclusion@telford.gov.uk)

If you would like any further information or have concerns about this pupil please contact:

Special Education Needs Co-ordinator (SENCO): .....

Teacher of the Deaf: .....

# Notes:

A series of horizontal dotted lines for writing notes.

## Further information is available from:



### Feedback

We appreciate and encourage feedback which can be shared in a number of ways through the hospital website. Scan the QR code to give feedback. [www.sath.nhs.uk/patients-visitors/patient-experience/feedback-hub/](http://www.sath.nhs.uk/patients-visitors/patient-experience/feedback-hub/)

### Patient Advice and Liaison Service (PALS)

PALS will act on your behalf when handling patient and family concerns, they can also help you get support from other local or national agencies. PALS, is a confidential service.

Royal Shrewsbury Hospital, Tel: [0800 783 0057](tel:08007830057) or [01743 261691](tel:01743261691)

Princess Royal Hospital, Tel: [01952 282888](tel:01952282888)

## Other Sources of Information

### NHS 111

A fast and easy way to get the right help, whatever the time. NHS 111 is available 24 hours a day, 365 days of the year.

111 (free from a landline or mobile) [www.nhs.uk](http://www.nhs.uk)

### Self Help & Support Groups

A selection of websites providing access to good quality health information, local organisations and community groups is available from the library. [www.library.sath.nhs.uk/find/patients/](http://www.library.sath.nhs.uk/find/patients/)

### Information in Other Languages or Formats

If you require this information in a different way such as easy read, a different language, larger print, audio or braille please tell a member of staff or contact the Patient Experience Team;

[sath.patientexperience@nhs.net](mailto:sath.patientexperience@nhs.net) or [01743 261000](tel:01743261000) ext. 2503.

## Your information

Information about you and your healthcare is held by the NHS. You can find out more about how we hold your information and how it is used on our website: [www.sath.nhs.uk](http://www.sath.nhs.uk)

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