



Lending a hand to those in need

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## Wish List 2011

in support of the

# Hear and Say Centre

| Ref. | Item   | Description   | Approx Cost (ea) | No. Re-quired |
|------|--|---|------------------|---------------|
| 1    | Sound proof booth (incl fitout)                        | All hearing assessment must take place in a sound treated room for accurate results and for optimal equipment function. Acoustic and electrical insulation is added to the walls of the booth to attenuate external noise and external sources of electrical interference.  | \$55,000         | 4             |
| 2    | Auditory Brainstem Response Test Equipment             | A machine used to assess the hearing of newborns. It measures the response of the hearing nerve to the speech frequencies essential for speech and language development. This enables early diagnosis and early fitting of optimal amplification for children.  | \$45,000         | 2             |
| 3    | Audiology consumables (annual) - electroles, tips, etc | Stock of clean insert earphone tips, electrodes, sterilisation equipment, etc. This is required to test hearing and maintain sterile equipment.   | \$27,500         |               |
| 4    | Cortical evoked potential test equipment               | Cortical evoked potentials are used on children aged from 3 months to measure auditory cortex response to sound giving an objective and accurate measure of whether a child perceives the major speech sounds. May also be used to indicate if hearing aids are giving enough input and are important in deciding whether children should proceed to cochlear implantation. Because auditory cortex response is measured via electrodes on the skin the child does not have to respond, important in children with other disabilities | \$25,000         |               |
| 5    | Audiometer   | Essential equipment for diagnosing type and severity of hearing loss. Also used to ensure appropriate access to sound after receiving cochlea implant or hearing aid. Presents both frequency specific sounds and recorded speech perception materials enabling us to track performance in a standardised manner over time.   | \$25,000         | 4             |
| 6    | Tympanometers  | Tests the middle ear function of children of all ages. Middle ear dysfunction is common in young children and important to monitor enabling appropriate and timely medical intervention to avoid/manage infection.  | \$20,000         | 2             |
| 7    | Oto Acoustic Emmission Test Equipment                  | Test inner ear or cochlear function. Important in determining the part of the hearing system causing a loss and if cochlear implantation may be of assistance.  | \$20,000         | 2             |
| 8    | Sound and Electrical Mapping Room Treatment            | Treatment of rooms used to work with children with cochlear implants to reduce background noise and electrical interference but not as comprehensive as those rooms used for testing and described in Ser 1.  | \$15,000         | 10            |
| 9    | Professional Library                                   | Journal subscriptions, essential text books and online resources.   | \$6,000          |               |
| 11   | Parent Library   | Parent resources including educational DVDs, lectures, text books, etc.   | \$4,000          |               |
| 12   | Electronic Whiteboards                                 | Used for planning, expectation discussions, parent education and general business use   | \$2,800          | 2             |
| 13   | FM Systems (personal)                                  | Assist children to hear during audiology sessions   | \$2,500          | 4             |
| 14   | Flat Screen TV   | Used to distract when children are required to be still for long periods of testing of cochlear implant function.   | \$2,000          | 4             |
| 15   | VROA Kit   | Includes a light box, foot peddle and puppets to condition children to respond to sounds presented to them and provide positive reinforcement.  | \$1,500          | 4             |
| 16   | Mapping Resources                                      | Computers from which Cochlear software can be run.  | \$1,500          | 4             |
| 17   | DVD/HDD tuner/recorder                                 | Enables us to record children's cochlear implants being switched on which is valuable to their parents. We also record children's assessments as required to ensure accuracy in administration and scoring.   | \$1,500          | 4             |
| 19   | Amplifier  | Is used with the audiometer described above to present sounds through a speaker.  | \$1,000          | 4             |
| 20   | Toys   | Educational toys which are used to positively reinforce older children to respond when they hear stimulation through their cochlear implant. It is important the children are engaged and motivated to get the best programming of their implants and they need to spend many hours each year working with their audiologist to program implant accurately.   | \$500            | 4             |