

ITEM	DESCRIPTION AND CALCULATION OF ESTIMATED COST	ESTIMATED COST	CALCULATED COST
<p>Evaluations (cont.)</p> <p>Audiology</p> <p>Radiology</p> <p>Speech and Language Therapy</p> <p>Oto-Rhino Laryngology</p>	<p>1120 Visual Reinforcement Audiometry 1017 Audiology Assistant: Fee is 40% of the fee payable to a max of 60 min 1810 Insertion gain measurement per ear</p> <p>Radiological evaluation (Discovery tariffs):</p> <ul style="list-style-type: none"> • CT scan • MRI scan <p>Speech and Language evaluation (GEMS tariffs): 1023 Speech Therapy Consultation (46-60 min) *1053 Speech Therapy assessment and treatment (46-60 min) 0020 Report writing</p> <p>*For children, continuous speech and language therapy is recommended throughout the full trial period with Hearing Aids.</p> <p>Oto-Rhino Laryngology evaluation (Discovery tariffs): (0190/0191/0192) ENT Consultation</p> <p>In some cases other professionals may also be consulted.</p> <ul style="list-style-type: none"> • Occupational Therapy Consultation • Physiotherapy Consultation • Psychology Evaluation • Consultation by a Pediatric Neurologist • Genetic testing 	<p>R 370, 60</p> <p>R 85,80</p> <p>R 4000,00 R 9500,00</p> <p>R 422,20 R 422,20 R 241,30</p> <p>R 303,10</p>	
<p>Cochlear Implant & Speech Processor</p>	<p>Cochlear: Approximately R110 000 for the cochlear implant and R 90 000 for the speech processor (needs to be paid in full before cochlear implant activation).</p> <p>Medel: Approximately R100 000 for the cochlear implant and R 90 000 for the speech processor (needs to be paid in full before cochlear implant activation).</p>	<p>R200 000</p> <p>R190 000</p>	

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Surgery & Hospital	<p>Estimated Cost at a private hospital in Bloemfontein (Life/Mediclinic/Netcare)</p> <p>Cost for the Surgeon (Discovery tariffs)(3264,3246,3227,2863,0295,0005,0008)</p> <p>Cost for the Anaesthetist (Discovery tariffs)</p> <p>Intra-operative:</p> <p>1013 Audiology Consultation (GEMS tariffs) (46-60 min)</p> <p>1725 Cochlear Implants: Neural Response Telemetry (Intra-operatively)</p> <p>1720 Cochlear Implants: Implant test: Four test modes: intra or post operatively</p>	<p>R 40 000 –</p> <p>R 55 000</p> <p>R 17 000</p> <p>R 5500</p> <p>R 416,00</p> <p>R 195,00</p> <p>R 45, 40</p>	

Table 2: Calculation of costs payable after cochlear implantation

ITEM	DESCRIPTION AND CALCULATION OF ESTIMATED COST	ESTIMATED COST	CALCULATED COST
Battery power	Both the ‘Medel’ and ‘Cochlear’ Implant systems are dependent on battery power. Both systems can be operated with rechargeable or disposable batteries. The speech processor uses two / three batteries that can last for up to three days. Disposable batteries cost R50 for a packet of six batteries.	R 50,00	
MAPPING (GEMS tariffs)	<p>During the first year after activation frequent adjustments to the speech processor’s settings are required in order to reach an optimal level for listening and speech perception. A prescribed protocol (for such adjustments) will be provided. Between 4 and 8 sessions may be required.</p> <p>Activation / Switch on:</p> <p>1013 Audiology Consultation (46-60 min)</p> <p>1720 Cochlear Implants: Implant test: Four test modes: intra or post operatively</p> <p>1710 Cochlear Implants: Electrode MAPPING (per 15min – max 120min)</p> <p>1730 Cochlear Implants: Neural Response Telemetry (if required)</p> <p>Subsequent MAPPING:</p> <p>1720 Cochlear Implants: Implant test: Four test modes: intra or post operatively</p> <p>1710 Cochlear Implants: Electrode MAPPING (per 15min – max 120min)</p> <p>1730 Cochlear Implants: Neural Response Telemetry (if required)</p>	<p>R 416,00</p> <p>R 45, 40</p> <p>R 146,20</p> <p>R 498,80</p> <p>R 45, 40</p> <p>R 146,20</p> <p>R 498,80</p>	

ITEM	DESCRIPTION AND CALCULATION OF ESTIMATED COST	ESTIMATED COST	CALCULATED COST
Speech Therapy (GEMS tariffs)	<p>For children, weekly direct speech- and language therapy is recommended for the first three years after cochlear implantation. Thereafter, additional therapy may be recommended by the Speech Therapist. Irrespective of whether the patient's medical aid covers all or any of the cost of speech and language therapy as recommended by the Speech Therapist, it is a condition of eligibility that the patient (or guardian) commits to attending speech and language therapy and accepts liability for any costs associated with such therapy.</p> <p>1052 Speech Therapy Assessment and Treatment (31-45min) 1053 Speech Therapy Assessment and Treatment (46-60min)</p>	<p>R 301,50 R 422,20</p>	
Post - Operative Audiological Evaluation	<p>During the first year after activation frequent audiological evaluation is required in order to determine the recipient's auditory outcomes with a cochlear implant using objective criteria. The hearing evaluation can provide the audiologist with detailed information which allows for specific settings. Between three and six sessions may be required.</p> <p>1011 Audiology Consultation (16-30 min) + 1017 Audiology Assistant 1740 Cochlear Implants: Comprehensive speech perception testing (pre- and post CI/15 min) 1805 Free Field Hearing Aid Evaluation: Pure tone and speech (with and without lipreading) 1120 Visual reinforcement Audiometry</p>	<p>R 178,20 R 138,90 R 120,40 R 370, 60</p>	
Spares & Repairs	<p>Both Cochlear and Medel have a one year warranty on all external parts (conditions apply). Once the warranty expires all repairs are managed at a minimum cost of R3000. The cost on external parts that may have to be purchased over time:</p> <ul style="list-style-type: none"> • Cable • Coil • Battery module • Coil Magnet 	<p>R 3000,00 R 1200,00 R 1500,00 R 2500,00 R 500,00</p>	
Traveling expenses	<p>According to the South African AA, travel expenses for an average sedan car is R1,41 per kilometre and for a larger vehicle R2,00 per kilometre.</p>		
Insurance	<p>It is strongly recommended that all patients take out insurance on their speech processor. Each patient will be provided with an invoice for their speech processor in case it is required for insurance. Insurance payments range between R250 and R350 per month depending on the manufacturer used.</p>	<p>R250-R350 / month</p>	

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Hearing Aid & Batteries	<p>It is strongly recommended that all cochlear implant recipients wear a Hearing Aid in the contralateral ear. Bimodal amplification can improve the patient's speech discrimination and spatial hearing. The preservation of the auditory nerve is also improved. Please take note of the expenditure involved in the purchase of a Hearing Aid, repairs, settings, insurance and battery use.</p> <ul style="list-style-type: none"> • New Hearing Aid • Batteries - packet of six batteries (duration of one battery between 7-10 days) • Annual service <p>1815 Reprogramming of the Hearing Aid, per ear 1820 Technical adjustment of Hearing Aid / Device, per ear 1810 Insertion gain measurement, per ear</p>	R7000 to R30 000 R 40 R1000,00 R 82,50 R 49,50 R 85,80	
Upgrade	The cost associated with an upgrade of the speech processor is approximately 40% of the initial cost of the cochlear implant system. Upgrades take place on average every seven years.		

Please complete the following for children under the age of four years:

According to my current medical aid scheme there is R_____ available for speech and language therapy. I understand that the available amount may or may not allow for continuous speech- and language therapy as recommended by my Speech Therapist. If necessary I can apply to my medical aid for *ex gratia* funding.

Please complete the following for all patients:

I acknowledge that I have been informed of the estimated cost involved in obtaining and maintaining a Cochlear Implant and Speech Processor. I understand the importance of continuous evaluations, settings and rehabilitation to achieve the best possible outcome with the CI. I am also aware that my medical aid scheme will not cover all the expenditure involved. I agree to take full responsibility for any cost that my medical aid may not provide for in order to adhere to the prescribed rehabilitation programme, evaluations and settings as recommended by the Bloemfontein Cochlear Implant Programme.

Patient / Guardian of Patient:

Witness:

Date