

# **Journal of Medical Implants and Surgery**

Case Report

OMICS International

Case Report after Introducing a New Abutment Surface for Bone Anchored Hearing Implants: Hydroxiapatite Abutment Surfaces and Skin Reaction

**Citation:** Hultcrantz M (2017) Case Report after Introducing a New Abutment Surface for Bone Anchored Hearing Implants: Hydroxiapatite Abutment

	<b>Age Mean</b>	<b>Side N</b>	<b>Gender N</b>	<b>Ab lengthN, mm</b>	<b>Peri-implant infection N</b>	<b>Holger scale</b>	<b>Ab change</b>	<b>Ab removal</b>	<b>Finished study</b>
Patients# D2 gş		Holger scale							

2

## Discussion

7  
A  
2  
5

6,15,16

10 12

3-4, A

7

10

(1-2)  
1 6

A 7 A  
1

6

3 *Staphylococcus aureus*

17, A

7  
( )

2  
1

1

1

18.75%  
2 18,19

7

- bone anchored hearing device through a minimal skin punch incision versus implantation with dermatome and soft tissue reduction. *Ann Otol Rhinol Laryngol* 125: 199-206.
8. Hultcrantz M, Lanis A (2014) A five year follow-up on the osseointegration of bone-anchored hearing aid implantation without tissue reduction. *Otol Neurotol* 35: 1480-1485.
  9. Nelissen RC, den Besten CA, Mylanus EA, Myrthe KSH (2016) Stability, survival, and tolerability of a 4.5-mm-wide bone-anchored hearing implant: 6-month data from a randomized controlled clinical trial. *Eur Arch Otorhinolaryngol* 273: 105-111.
  10. Allis TJ, Owen BD, Chen B, Jones DT, Moore GF (2014) Longer length Baha™ abutments decrease wound complications and revision surgery. *Laryngoscope* 124: 989-992.
  11. Westerkull P (2011) The ponto bone-anchored hearing system. In: Kompis M, Caversaccio MD (eds.), *Implantable Bone Conduction Hearing Aids*. pp: 32-40.
  12. Holgers KM (2000) Characteristics of the inflammatory process around skin-penetrating titanium implants for aural rehabilitation. *Audiology* 39: 253-259.
  13. Hultcrantz M, Lanis A (2014) Stability testing after osseointegrated implant surgery without skin thinning in children: Case reports after abutment loss. *Otol Neurotol* 35: 1102-1104.
  14. Faber HT, Dun CA, Nelissen RC, Mylanus EA, Myrthe KSH, et al. (2013) Bone-anchored hearing implant loading at 3 weeks: stability and tolerability after 6 months. *Otol Neurotol* 34: 104-110.
  15. Liu CC, Chadha NK, Bance M, Hong P (2013) The current practice trends in pediatric bone-anchored hearing aids in Canada: a national clinical and surgical practice survey. *J Otolaryngol Head Neck Surg* 1: 42-43.
  16. Caruso A, Giannuzzi AL, Sozzi V, Sanna M (2017) Bone anchored hearing implants without skin thinning: the Gruppo Otologico surgical and audiological experience. *Eur Arch Otorhinolaryngol* 274: 695-700.
  17. Monksfeld P, Chapple IL, Matthews JB, Grant MM, Addison O, et al. (2011) Biofilm formation on bone-anchored hearing aids. *J Laryngol Otol* 125: 1125-1130.
  18. Iseri M, Orhan KS, Yarıktan MH, Kara A, Durgut M, et al. (2015) Surgical and audiological evaluation of the Baha BA400. *J Laryngol Otol* 129: 32-37.
  19. van Hoof M, Wigren S, Dumiel H, Savelkoul PH, Flynn M, et al. (2015) Can the hydroxyapatite-coated skin-penetrating abutment for bone conduction hearing implants integrate with the surrounding skin? *Front Surg* 14: 2-45.

**Citation:** Hultcrantz M (2017) Case Report after Introducing a New Abutment Surface for Bone Anchored Hearing Implants: Hydroxiapatite Abutment Surfaces and Skin Reaction. *J Med Imp Surg* 2: 115.

### OMICS International: An Open Access Publication Benefits & Features

#### Unique features:

- Increased global visibility of articles through worldwide distribution and indexing
- Showcasing recent research output in a timely and updated manner
- Special issues on the current trends of scientific research

#### Special features:

- 700+ Open Access Journals
- 50,000+ editorial team
- Rapid review process
- Quality and quick editorial, review and publication processing
- Indexing at major indexing services
- Sharing Option: Social Networking Enabled
- Authors, Reviewers and Editors rewarded with online Scientific Credits
- Better discount for your subsequent articles

Submit your manuscript at: <http://www.omicsonline.org/submission/>