Biodegradable middle ear ventilation tube

PI： Prof. Chen-Chi Wu
School of Medicine, National Taiwan U.

Experience:

Professor, Department of Otolaryngology, College of Medicine, National Taiwan University

Director, Department of Otolaryngology and Department of Medical Research, National Taiwan University Hospital, Hsinchu Branch

Passed the Bar Examination and Judicial Officer Special Examination in the R.O.C.

Board Member, Asia Pacific Symposium on Cochlear Implants and Related Sciences (APSCI)

Board Member, East Asian Society of Otology (EASO)

Secretary-General & Board Member, Taiwan Otological Society

Supervisor & Executive Board Member, Taiwan Tinnitus Association

Board Member, Taiwan Society of Pediatric Otorhinolaryngology

Market Needs: The global market is approximately 150 million USD, serving pediatric and adult patients who require middle ear ventilation for conditions such as recurrent otitis media with effusion, acute otitis media, or Eustachian tube dysfunction, or who need local drug delivery for sudden deafness or Meniere's disease.

Our Technology: This is an absorbable middle ear ventilation tube made from the degradable material, polylactic acid. Through an innovative structural design, the degradation area and time can be controlled. This advantage significantly enhances the quality of medical care and comfort for patients, addressing the clinical pain point of currently marketed products which may necessitate a second surgery for removal.
Strength: The use of absorbable material eliminates the need for a second removal surgery and reduces the risk of post-operative infection.

Competing Products: Medtronic-Xomed Vent Tubes
Intellectual Properties: R.O.C. (Taiwan) Patent Pending (Application No.: 114125229)

Contact (do not need to fill out):

Center for Industry-Academia Collaboration, NTU
Tel: 02-3366-9945, E-mail: ordiac@ntu.edu.tw