

Causse Ear Clinic / Clinique Causse

Colombiers (France)

15th International Otology Course *15^{ème} Cours International d'Otologie*

June 27 - 29 / 27 - 29 Juin

Otosclerosis
Otospongiose

Cholesteatoma
Cholestéatome

Implantable hearing aids
Protheses implantables

Ossiculoplasty
Ossiculoplastie



PROGRAM / PROGRAMME

Honorary Guest Faculty



Miguel Aristegui MD PhD, Professor. Associate Professor Complutense University Madrid and Chief Section Otolaryngology Hospital General Universitario Gregorio Marañón, Madrid. General Secretary of Spanish ENT Society, Vice-General Secretary Spanish SkullBase Society and President of the Spanish Skull Base Society Congress 2012 in 2012. Specialized in the fields of Otolaryngology, Neurotology and Skull Base Surgery. Member of the Educational Committee and Founder Member of the EAONO. More than 100 publications in National and International Issues. Organizer of more than 30 Live Surgery Courses (Otolaryngology, Implants, Vestibular Schwannoma) Among those close to 20 years running Courses on Temporal Bone Dissection and Live Surgery Otolaryngology courses.



Michael Chi-Fai-Tong MD PhD, Chairman and Professor. Department of Otorhinolaryngology, Head and Neck Surgery, & Associate Director of the Institute of Human Communicative Research at The Chinese University of Hong Kong. Specialized in the fields of Otolaryngology and Skull Base Surgery. Having led the clinical research team, he has numerous successful grants and over 130 publications, which has resulted in a national and international reputation of his Department in the field of general otology, cochlear and auditory brainstem implantation and nasopharyngeal cancer research. Co-founder of the World Chinese Academy of ENT Surgery. Founder & Chairman of the Hear Talk Foundation which operates regular charitable missions to China to provide free medical and surgical treatment to the poor.



Joachim Müller MD, PhD, Assistant Professor at the Department of Otolaryngology, Head & Neck Surgery at the University of Würzburg. Founder and head of the section for cochlear implants and hearing prosthetics at the University ENT Clinic of Würzburg. His research interest focused on reconstructive middle ear surgery and tympanoplasty procedures, cochlear implants, and computerized documentation systems for ear surgery. His scientific work was recognized by numerous key note lectures on invitation, He is honorary member of the British Cochlear Implant Group. His scientific work and surgical expertise was awarded at the 9th International Cochlear Implant Conference in Vienna by receiving the Burian-Helms Prize.



Thomas Zahnert MD, PhD. Professor and Chairman, Department of Otolaryngology, Head & Neck Surgery, Carl Gustav Carus University, Dresden. Specialized in Otolaryngology, Skull Base surgery and Cochlear Implantation. His research interest focuses in innovative prostheses and new approaches to middle-ear reconstruction, innovative diagnostic techniques, such as laser-Doppler-vibrometry or the dynamic probe. Head of the Saxonian Cochlear Implant Center and member of the German working group on Skull Base and Craniofacial Surgery. Innovation award for medical engineering of the German Ministry of Health and education Professor Zahnert is the 2013 President of the German-Spanish ENT Society

International Permanent Faculty



Chris Aldren, FRCS works in Windsor-UK. He has a large otological practice particularly in primary and revision stapes surgery and ossiculoplasty. He runs a highly rated Advanced Middle Ear Surgery Course every year in May at Wexham Park Hospital. He lectures and operates internationally. He is a Board member of LION and the British Society of Otolaryngology. He is on the Faculty of the Course since 14 years.



David Bowdler, FRCS is a Consultant ENT Surgeon at University Hospital Lewisham, London-UK with a special interest in otology, in particular chronic ear disease and middle ear reconstruction. He is an authority on technologies in middle ear surgery especially the otoendoscope, laser and facial nerve monitoring. He has published extensively in this area. Dr Bowdler is on the Faculty of the Course since 15 years.



Oswaldo Laercio Mendonça Cruz, MD PhD, Professor ENT Department, Otolaryngology-Neurotology division, Federal University of Sao Paulo-Brazil. Coordinator of the Otolaryngology Center of the Hospital Sirio-Libanese. He has a special interest in cholesteatoma, neurotology and skull base procedures and has published numerous articles in these fields. He is on the Faculty of the Course since 7 years.



Sady Selamen Da Costa, Professor ENT Department Federal University of Porto Alegre-Brazil. He is the past President of the Brazilian Society of Otolaryngology. Dr Da Costa is a member of several international ENT societies and has published numerous articles in international journals. He is on the Faculty of the Course since 7 years.



Manohar Bance, MD PhD, Professor, Head Division Otolaryngology, Dalhousie University, Halifax, Canada. Director, Ear & Sense Labs. Specialized in Otolaryngology Neurotology and Skull Base Surgery. He has cross-appointments as Professor of Neurosurgery, the School of Communication Disorders, and of the Department of Biomedical Engineering. He is on the Faculty of the Course since 1 year.



Wilko Grolman, MD PhD, Professor and Chairman, Dept. of Otolaryngology University Medical Center Utrecht-Netherlands. He heads the University's training program in ENT. and is Vice President and Director of Research and Education. His primary clinical interests are stapes surgery and cochlear implantation, and has published many publications in these fields. Dr Grolman is President of LION. He is on the Faculty of the Course since 7 years.





John Oates, FRCS works in Burton on Trent UK where he leads a busy otology tertiary referral service for otosclerosis, and ossicular reconstruction. He is an invited speaker internationally. He is the President Elect of LION. He is on the Board of the British Society of Otolaryngology, and sits on the Executive of EUFOS. He is on the Faculty of the Otolaryngology Course since its inception



John Osborne, FRCS Consultant ENT surgeon at Glan Clwyd hospital, North Wales UK. Dr Osborne developed the cochlear implant programme at Glan Clwyd hospital which was the first in Wales to carry out this surgery. He introduced multi-disciplinary paediatric hearing assessment clinic to help children with sensori-neural deafness or educational problems. He is on the Faculty of the Otolaryngology Course since its inception.



Neil Sperling, MD Director of Otolaryngology, Department of Otolaryngology, SUNY Downstate Medical College, Brooklyn, NY-USA. Alpha Omega Alpha Honor Medical Society and selected by «Best Doctors in America». Dr Sperling is an invited lecturer in many meetings and is a author or co-author of numerous articles and books' chapters in the field of Otolaryngology. He is on the Faculty of the Course since 14 years.



Thomas Lenarz, M.D., PhD, Professor and Chairman, ENT Dept, Medical University Hannover-Germany. Membership in national and international societies of ENT and skull base surgery. His Department runs the world's largest cochlear implant programme with more than 5500 patients implanted since 1984. Other fields of clinical interest are skull base surgery and brainstem and midbrain implants. He is on the Faculty of the Course since 6 years.



William Moretz Jr, Clinical Professor at the Medical College of Georgia, Augusta-USA. Dr. Moretz has designed more than 60 ventilation tubes, middle ear prostheses & instruments.. He continues to work in the research and development of microsurgical techniques and instrumentation in otology. Over 25 years experience performing more than 9,000 ear operations. He is on the Faculty of the Course since 6 years.



Duane Mol, Otolaryngologist, Union Hospital, Alberton, South Africa. Dr Mol is practising in Alberton since 2003 and also sees patients at The Johannesburg Cochlear Implant Centre. He has really focussed his expertise in the field of Otolaryngology and Nasal Reconstructive Surgery. He is involved as one of the surgeons assisting in the "Hear for Life" Cochlear Implant Program for needy children and adults. He is on the Faculty of the Course since 5 years



Ashim Desai, MD Dr. A. B. R. Desai ENT Clinic and Research Center, Bombay (India) is internationally acknowledged as authorities in the field of ENT and is invited as guest lecturer at international and national conferences. Dr Desai is specialized in endaural tympano-mastoid surgery, cartilage ossiculoplasty & posterior canal reconstruction. He is on the Faculty of the Course since 7 years.

Resident Faculty (Causse Ear Clinic)



Thibaud Dumon, joined the Causse Ear Clinic Otolaryngology Group in 2000. Dr Dumon has a special interest in implantable hearing aid and chronic otitis surgery.



Benoit Gratacap, joined the Causse Ear Clinic Otolaryngology Group in 1991. Dr Gratacap has a special interest in chronic otitis surgery.



Robert Vincent, joined the Causse Ear Clinic Otolaryngology Group in 1991. Dr Vincent has a special interest in otosclerosis surgery and congenital malformation.



Renaud Pialoux, joined the Causse Ear Clinic Otolaryngology Group in 1999. Dr Pialoux has a special interest in chronic otitis and otosclerosis surgery.



Jacques Magnan, Professor and Chairman, Dept. of Otolaryngology Marseille University Hospital (Nord) until 2010, joined the Causse Ear Clinic Otolaryngology Group in 2011. Dr Magnan has a special interest in Neurotology and Skull Base Surgery procedures.



- 08: 00 Welcome and Registration / *Accueil et inscriptions*
- 08: 10 **Live Surgery: sessions 1A, 1B & 1C / *Chirurgie en direct sessions 1A, 1B & 1C***
Cholesteatoma: canal wall up & down technique / Vestibular Neurotomy
Cholestéatome: technique fermée et ouverte / Neurotomie Vestibulaire
 Surgeons / *Chirurgiens*: Benoit Gratacap, Thibaud Dumon, Jacques Magnan, Miguel Aristegui
 Moderators / *Modérateurs*: David Bowdler, Chris Aldren, Manohar Bance
- 10: 00 Pause
- 10: 20 **Technical considerations: chronic ear surgery /**
Considérations techniques: chirurgie de l'otite chronique
 Otoendoscopy in CSOM / *Endoscopie en chirurgie de l'otite chronique*: David Bowdler
 Retraction Pocket / *Poches de Rétraction*: Neil Sperling
 Technical aspects of Ossiculoplasty / *Techniques d'ossiculoplastie*: Chris Aldren
- 11: 20 **Live Surgery: sessions 2A & 2B / *Chirurgie en direct sessions 2A & 2B***
EAC Stenosis & Med-El Vibrant Soundbridge middle ear implantation /
Sténose du CAE & Implant d'oreille moyenne Med-El Vibrant Soundbridge
 Surgeons / *Chirurgiens*: Benoit Gratacap, Thibaud Dumon
 Moderators / *Modérateurs*: Neil Sperling, Sady Selamen Da Costa, Leon Lindsay
- 13: 00 Lunch (Grand floor) / *Lunch (Rez-de-chaussée)*
- 14: 00 **Reconstruction with vascularized temporalis fascia flap in otology: principles, techniques & outcomes / *Reconstruction par lambeau de fascia temporalis vascularisé: principes, techniques & résultats***
 Michael Chi-Fai Tong
- 14: 30 **Ossicular Reconstruction, how we do it / *Nos techniques d'ossiculoplastie***
Malleus relocation, silastic banding & malleus replacement prosthesis (MRP) /
Reposition du marteau, anneau silastic et prothèse marteau (MRP)
 Robert Vincent
- 15: 00 Pause
- 15: 30 **Update in Implantable Hearing Aid / *Mise au point sur les prothèses implantables***:
 Thibaud Dumon
- 15: 45 **The Grand Inquisition: ossicular reconstruction /**
Grande Inquisition: ossiculoplastie
 Grand Inquisitor / *Grand Inquisiteur*: Chris Aldren, David Bowdler
 Panel: Miguel Aristegui, Manohar Bance, Michael Chi-Fai Tong, Jacques Magnan, Joachim Müller, Thomas Zahnert, Benoit Gratacap
- 16: 45 **Stapes surgery: otosclerosis & congenital malformations. Rules & hints /**
Chirurgie stapédienne: otospongiose & malformations congénitales
 John Oates, Wilko Grolman, Robert Vincent
- 18: 15 *Free shuttle bus service from the Clinic to Béziers downtown / Service de navette gratuite vers le centre de ville de Béziers*
- 20: 30 **Welcome reception & dinner / *Réception de bienvenue et dîner***
 Chateau de la Tour, Montady - Spanish Dressage Horse Show / *Démonstration de Dressage: Andalusia de Doma Vaquera*: Jean-Michel Nègre, National French Champion / *Champion de France* - **Free shuttle bus service from Béziers Downtown at 19:30 / Service de navette gratuite depuis le centre de ville de Béziers à 19h 30**
 Departure by bus from the Clinic at 20: 15 / *Départ de la Clinique par bus à 20h 15*



Live Surgery
Chirurgie en direct
Session 1A : B. Gratacap

CHOLESTEATOMA

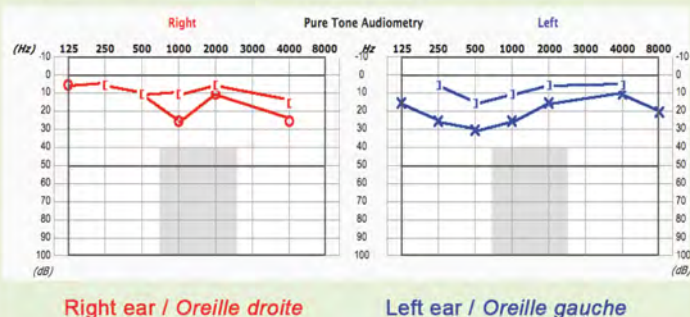
OR / Bloc 6

Right ear: Tympanoplasty for CSOM with cholesteatoma. Canal wall up technique. **Oreille droite:** Tympanoplastie en technique fermée pour cholestéatome.

Clinical: 57 y.old female. Progressive right hearing loss with intermittent otorrhoea. Otoscopy: right attical cholesteatoma; left ear normal. CT-Scan: Right attical cholesteatoma

Clinique: Femme de 57 ans. Surdit  bilat rale progressive plus importante   droite, avec otorrh e intermittente. Otoscopie: cholest atome attical droit; oreille gauche normale. Scanner: Cholest atome attical droit

Pure tone audiometry / audiom trie tonale



Right ear / Oreille droite

Left ear / Oreille gauche

Live Surgery
Chirurgie en direct
Session 1B : T. Dumon

CHOLESTEATOMA

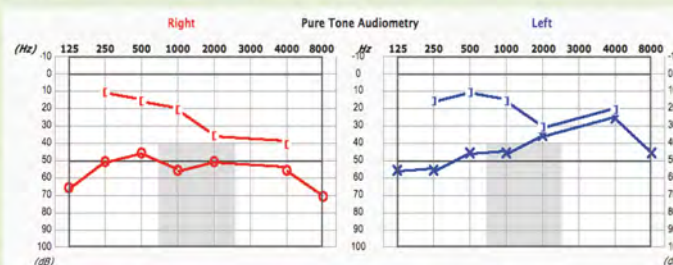
OR / Bloc 5

Left ear: Tympanoplasty for CSOM with cholesteatoma. Canal wall down technique. **Oreille gauche:** Tympanoplastie en technique ouverte pour cholest atome.

Clinical: 28 y.old male. Long history of repeated otitis since childhood with multiple bilateral grommet insertions. Otoscopy: right unstable attical retraction; left attical cholesteatoma. CT-Scan: left attical cholesteatoma with eroded incus & malleus

Clinique: Homme de 28 ans. Ant c dents otitiques dans l'enfance avec plusieurs poses de DTT des deux c t s. Otoscopie: r traction tympanique atticale droite stade 3; cholest atome attical gauche. Scanner: Cholest atome attical gauche avec lyse de l'enclume et du marteau

Pure tone audiometry / audiom trie tonale



Right ear / Oreille droite

Left ear / Oreille gauche

Live Surgery
Chirurgie en direct
Session 1C : J. Magnan / M. Aristegui

VESTIBULAR NEUROTOMY

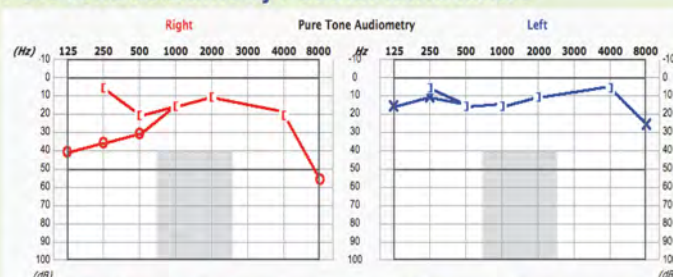
OR / Bloc 4

Right ear: Vestibular neurectomy for Meniere's Disease. Retrolabyrinthine approach. **Oreille droite:** Neurectomie vestibulaire pour Maladie de M ni re. Voie r tro-labyrinthique.

Clinical: 73 y.old female. Right-sided Meniere's disease since few years despite medical treatment. Severe attacks of rotatory vertigo with right-sided fluctuating hearing loss: currently one attack per week.

Clinique: Femme de 76 ans. Maladie de M ni re droite  voluant depuis 10 ans malgr  un traitement m dical bien suivi. Actuellement 1 crise quotidienne avec vertiges rotatoires et surdit  droite fluctuante.

Pure tone audiometry / audiom trie tonale



Right ear / Oreille droite

Left ear / Oreille gauche

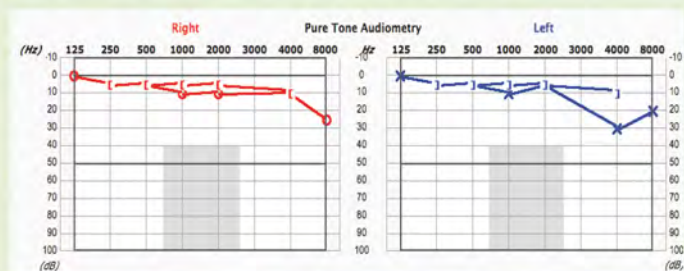


Left ear: Tympanoplasty for CSOM with cholesteatoma. Canal wall up technique. **Oreille gauche:** Tympanoplastie en technique fermée pour cholestéatome

Clinical: 47 y.old male. Bilateral TM perforation due to Barotraumatic Injury in 1983. Long term history of left chronic otitis with intermittent otorrhoea. Three previous failed left tympanoplasties for CSOM with cholesteatoma (last one in 2004). Otoscopy: right ear normal; left attical recurrent cholesteatoma.

Clinique: Homme de 47 ans. Perforation tympanique bilatérale par barotraumatisme en 1983. Otite chronique gauche ancienne avec otorrhée intermittente. Trois précédentes tympanoplasties pour cholestéatome (la dernière ne 2004). Otoscopie: oreille droite normale; récurrence cholestéatome de l'attique externe.

Pure tone audiometry / Audiométrie tonale



Right ear / Oreille droite

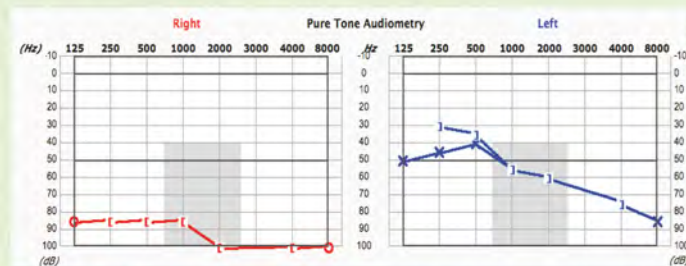
Left ear / Oreille gauche

Right ear: Med-EI Vibrant Soundbridge middle ear implant. **Oreille droite:** Implant d'oreille moyenne Med-EI Vibrant Soundbridge.

Clinical: 76 y.old female. Bilateral previous primary surgery for otosclerosis with good result (> 20 years ago). Progressive recurrent bilateral HL over time. Bilateral conventional hearing aid since 10 years with good result. Recent right sudden hearing deterioration. Indication for Med-EI Vibrant Soundbridge middle ear implant on the right ear.

Clinique: Femme de 76 ans. Antécédents de chirurgie pour otospongiose bilatérale avec bon résultat initial (> 20 ans). Surdité progressive évoluant avec le temps bien compensée par appareillage auditif bilatéral depuis 10 ans. Récente aggravation brutale de la surdité sur l'oreille droite. Indication d'un implant d'oreille moyenne Med-EI Vibrant Soundbridge sur l'oreille droite.

Pure tone audiometry / Audiométrie tonale



Right ear / Oreille droite

Left ear / Oreille gauche

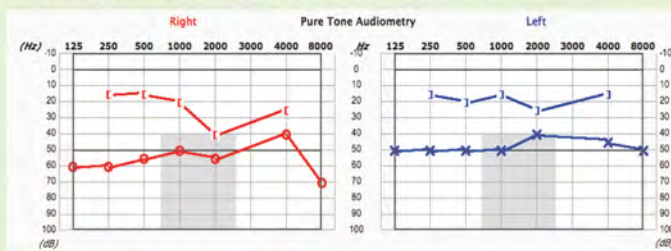
- 08: 00 Welcome / *Accueil*
- 08: 10 **Live Surgery: session 3A & 3B / Chirurgie en direct sessions 3A & 3B**
Otosclerosis primary surgery with & without laser. Skeeter Oto-tool & Osseostap microdrill / Otospongiose primaire avec et sans laser. Skeeter Oto-tool & microfraise Osseostap
 Surgeons / *Chirurgiens*: Renaud Pialoux, Robert Vincent
 Moderators / *Modérateurs*: John Oates, Duane Mol, Wilko Grolman
- 09: 10 **Technical considerations: otosclerosis / Chronic otitis**
Considérations techniques: otospongiose / otite chronique
 Primary Otosclerosis / *Otospongiose primaire*: Sady Selamen Da Costa
 Ossicular reconstruction / *Reconstruction ossiculaire*: Manohar Bance
- 10: 10 Pause
- 10: 30 **Live Surgery: session 4A & 4B / Chirurgie en direct sessions 4A & 4B**
Otosclerosis primary & revisionsurgery with & without laser. Skeeter Oto-tool & Osseostap microdrill / Otospongiose primaire et reprise avec et sans laser. Skeeter Oto-tool & microfraise Osseostap
 Surgeons / *Chirurgiens*: Renaud Pialoux, Robert Vincent
 Moderators / *Modérateurs*: Chris Aldren, Sady Selamen Da Costa
- 11: 30 **Interventions into the inner ear - Current Status of Hearing Preservation, Cochlear Implantation and Beyond / Chirurgie de l'oreille interne - état actuel sur la préservation de l'audition, implantation cochléaire et au-delà**
 Thomas Lenarz
- 12: 00 Lunch (Grand floor) / *Lunch (Rez-de-chaussée)*
- 14: 00 **Getting rid of the middle ear: the suitability of subtotal petrosectomy / Oublier l'oreille moyenne: la pétrectomie subtotale**
 Miguel Aristegui
- 14: 30 **Otology-Neurotology Database: Prospective evaluation and Audit in Otology**
 ONDB: Evaluation prospective des résultats en otologie
 Robert Vincent
- 15: 00 Pause
- 15: 20 **What is the future of passive middle ear implants ? / Quel avenir pour les prothèses ossiculaires ?**
 Thomas Zahnert
- 15: 50 **Stapes Surgery with the NITIBOND prosthesis / Chirurgie stapédienne avec la prothèse NITIBOND**
 Joachim Müller
- 16: 10 **The Grand Inquisition in stapes surgery / Grande Inquisition en chirurgie stapédienne**
 Grand Inquisitor / *Grand Inquisiteur*: Neil Sperling
 Panel: Chris Aldren, Manohar Bance, Wilko Grolman, Sady Selamen Da Costa, Thomas Zahnert, Joachim Müller, Thomas Lenarz, Michael Chi-Fai Tong, Miguel Aristegui
- 17: 30 *Adjourn / Fin du programme scientifique*
- 17: 45 *Free shuttle bus service from the Clinic to Béziers downtown / Service de navette gratuite vers le centre de ville de Béziers*
- 20: 00 **Gala dinner / Dîner de gala**
 Registration is required for the gala dinner as sitting is limited / *Inscription obligatoire pour le dîner de gala car nombre de places limité (Dressing code: casual / Habilleme nt: informel)*
 Hôtel Château de Lignan (Lignan sur Orb)
 Free shuttle bus service from Béziers Downtown at 19:00 / *Service de navette gratuite depuis le centre de ville de Béziers à 19h 00*
 Departure by bus from the Clinic at 19:30 / *Départ par bus de la Clinique à 19h 30*

Right ear: Otosclerosis primary surgery. Stapedotomy with vein graft interposition. Transcanal approach. Stapedotomy without laser. **Oreille droite:** Otospongiose primaire. Stapédotomie avec interposition veineuse sans laser. Abord trans-canaire.

Clinical: 44 y.old female. Progressive bilateral hearing loss since few years. No tinnitus nor dizziness. Otoscopy: normal.

Clinique: Femme de 44ans. Surdit  progressive bilat rale sans acouph ne ni vertige. Otoscopie: normale.

Pure tone audiometry / Audiom trie tonale



Right ear / Oreille droite

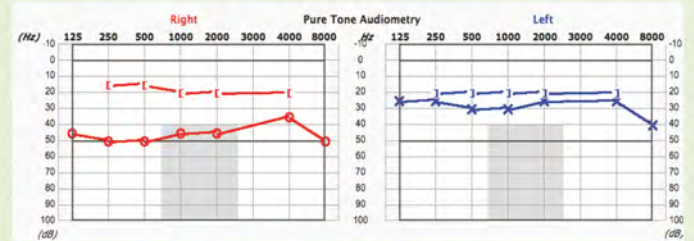
Left ear / Oreille gauche

Right ear: Otosclerosis primary surgery. Stapedotomy with vein graft interposition. Transcanal approach. CO₂ laser with the Omniguide fiber & Osseostap microdrill. **Oreille droite:** Otospongiose primaire. Stap dotomie avec interposition veineuse. Abord trans-canaire. Laser CO₂ avec fibre Omniguide et microfraise Osseostap.

Clinical: 58 y. old female. Progressive bilateral hearing loss over few years more severe on the right ear. No tinnitus nor dizziness. Personal and family history negative. Otoscopy normal both sides. Tuning fork: Weber tests lateralized towards the right ear.

Clinique: Femme de 58 ans. Surdit  bilat rale  voluant depuis plusieurs ann es plus importante   droite, sans acouph ne ni vertige. Ant c dents personnels et familiaux n gatifs. Otoscopie normale des deux c t s. Diapason: Weber lat ralis  vers l'oreille droite.

Pure tone audiometry / Audiom trie tonale



Right ear / Oreille droite

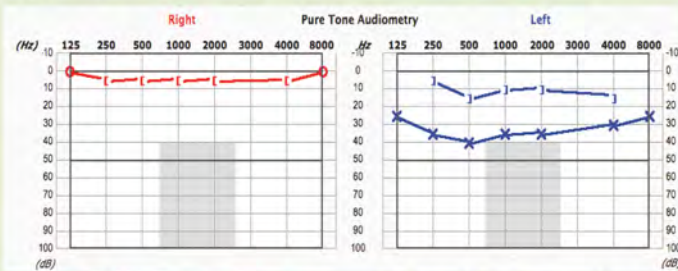
Left ear / Oreille gauche

Left ear: Otosclerosis revision surgery. Stapedotomy with vein graft interposition. Transcanal approach. Stapedotomy without laser. **Oreille gauche:** Reprise chirurgicale pour otospongiose. Stapédotomie avec interposition veineuse sans laser. Abord trans-canaire.

Clinical: 28 y.old male. Left-sided progressive hearing loss since few years. Previous left failed surgery (other surgeon one year ago). The surgeon found a dehiscent VIIIth nerve with a narrow oval window. The operation was not completed and the patient was referred to the Causse Clinic for revision. Otoscopy: normal. Tuning fork: Weber lateralized towards the left ear.

Clinique: Homme de 28 ans. Surdit e droite progressive depuis quelques ann es. Oreille droite op er e il y a un an avec  chec imm diat (autre chirurgien). Le pr c dent chirurgien a interrompu l'intervention compte tenu d'un nerf facial d hiscent avec fosse ovale  troite. Le patient a  t  adress    la Clinique Causse pour reprise chirurgicale. Otoscopie normale. Acoum trie au diapason: Weber lat ralis  sur l'oreille gauche.

Pure tone audiometry / Audiom trie tonale



Right ear / Oreille droite

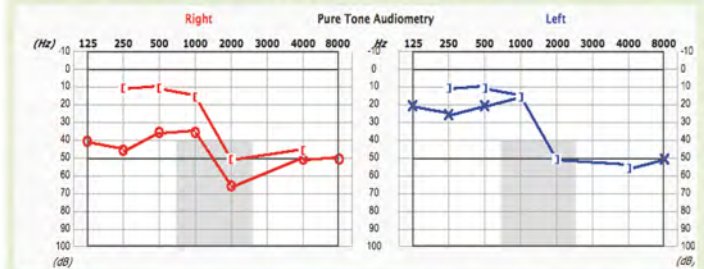
Left ear / Oreille gauche

Right ear: Otosclerosis primary surgery. Transcanal approach. CO₂ laser with the Omniguide stapedotomy & Skeeter Oto-tool. **Oreille droite:** Otospongiose primaire. Abord trans-canaire. Stap dotomie avec laser CO₂ et fibre Omniguide et Skeeter Oto-tool.

Clinical: 46 y.old female. Progressive bilateral HL over few years. Left stapedotomy in 2003 (same surgeon) with good & stable result. No tinnitus nor dizziness. Otoscopy is normal. Tuning fork: Weber lateralized towards the right ear.

Clinique: Femme de 46ans. Surdit e progressive bilat rale depuis plusieurs ann es. Otospongiose gauche op er e en 2003 (m me chirurgien) avec bon r sultat stable. Aucun acouph ne ni vertige. Otoscopie: normale. Acoum trie: Weber lat ralis  vers l'oreille droite au diapason.

Pure tone audiometry / Audiom trie tonale



Right ear / Oreille droite

Left ear / Oreille gauche

Saturday, June 29th / Samedi 29 Juin

- 08: 30 Welcome / *Accueil*
- 08: 40 Live Surgery: session 5A & 5B / *Chirurgie en direct sessions 5A & 5B*
 Ossiculoplasty with titanium and HA/titanium prosthesis - Malleus relocation & silastic banding technique - Malleus Replacement Prosthesis (MRP) / *Ossiculoplastie par prothèse titane et HA/titane - Reposition du marteau et anneau silastic - Prothèse néo-malleus (MRP)*
 Surgeons / *Chirurgiens*: Thibaud Dumon, Robert Vincent
 Moderators / *Modérateurs*: Neil Sperling, Manohar Bance,
- 09: 40 Technical considerations: Ossicular reconstruction & Stapes Surgery / *Considérations techniques: Ossiculoplastie & chirurgie stapédienne*
 Disease eradication and functional preservation / *Éradication de la pathologie et préservation de l'audition*: Sady Selamen Da Costa
 Far advanced otosclerosis: Stapedotomie/stapedectomy vs cochlear implant
- 10: 20 Pause
- 11: 00 Live Surgery: session 5C / *Chirurgie en direct sessions 5C*
 Ossiculoplasty with titanium and HA/titanium prosthesis - Malleus relocation & silastic banding technique / *Ossiculoplastie par prothèse titane et HA/titane - Reposition du marteau et anneau silastic*
 Surgeon / *Chirurgien*: Renaud Pialoux
 Moderators / *Modérateurs*: Sady Selamen Da Costa, Wilko Grolman
- 12: 30 Adjourn / Fin du programme scientifique -
 Lunch (ground floor) / Lunch (rez-de-chaussée)

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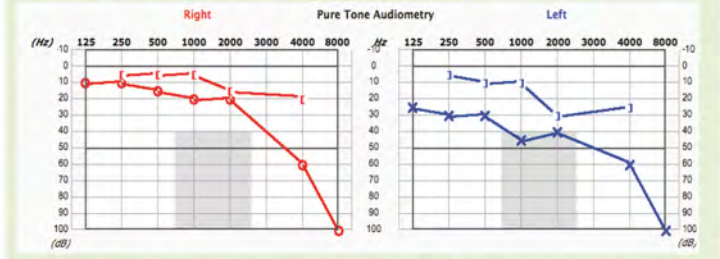


Left ear: Tympanoplasty. Ossiculoplasty with HA-Titanium total prosthesis (TORP) and Malleus Replacement Prosthesis (MRP). **Oreille gauche:** Tympanoplastie. Ossiculoplastie par prothèse totale HA-Titane (TORP) et Prothèse Marteau (MRP)

Clinical: 66 y.old male. Progressive bilateral hearing loss since few years. The patient was using binaural hearing aid over 10 years without great success. Right tinnitus. History of several horse falls without head trauma. Otoscopy: normal both sides. CT-Scan: suspicion of malleus/incus dislocation.

Clinique: Homme de 66 ans. Surdit  bilat rale progressive depuis plusieurs ann es. A  t  appeill  pendant 10 ans sans grand succ s. Acouph nes droits. Ant c dent de plusieurs chutes de cheval sans traumatisme cr nien. Otoscopie normale des deux c t s. Scanner: aspect de probable luxation marteau/enclume.

Pure tone audiometry / Audiom trie tonale



Right ear / Oreille droite Left ear / Oreille gauche

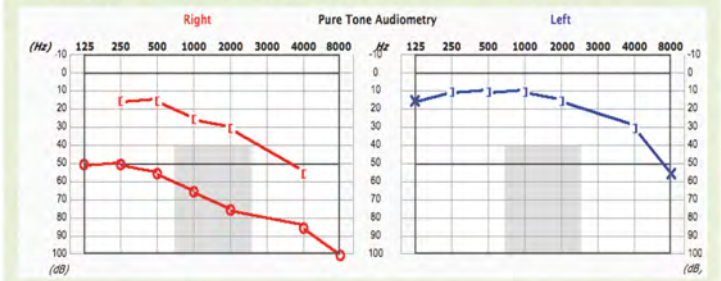


Right ear: Revision tympanoplasty with ossiculoplasty. Titanium prosthesis. **Oreille droite:** Reprise de Tympanoplastie. Ossiculoplastie par proth se titane

Clinical: 57 y.old female. Traumatic right hearing loss since head trauma in 1981. Two previous failed tympanoplasties (other surgeon). Residual stable deafness . Right permanent tinnitus nor dizziness. Otoscopy: right scarred TM, left ear normal. CT-Scan normal

Clinique: Femme de 57 ans. Surdit  droite post traumatique apr s traumatisme cr nien en 1981. Deux pr c dents  checs de tympanoplastie (autre chirurgien). Surdit  droite r siduelle stable avec acouph nes droits permanents. Pas de vertige. Otoscopie : oreille droite, tympan cicatriciel; oreille gauche normale. Scanner normal

Pure tone audiometry / Audiom trie tonale



Right ear / Oreille droite Left ear / Oreille gauche

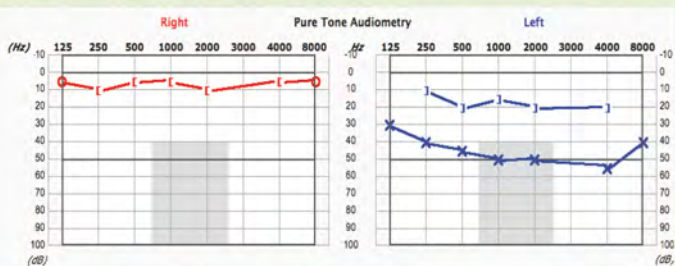
Left ear: Revision tympanoplasty with ossiculoplasty.
Possible malleus relocation & silastic banding technique.

Oreille gauche: Reprise de tympanoplastie avec ossiculoplastie. Reconstruction ossiculaire avec probable reposition du marteau et anneau silastic.

Clinical: 38 y.old female. Long term history of repeated otitis with multiple grommet insertions both ears. Two previous left failed tympanoplasties for CSOM with cholesteatoma (other surgeon). Residual stable left hearing loss. Otoscopy: right ear, scared TM; left ear, sclerotic TM.

Clinique: Femme de 38 ans. Long passé d'otite chronique avec plusieurs poses de DTT des deux côtés. Échecs de deux précédentes tympanoplastie pour cholestéatome (autre chirurgien). Surdit  gauche r siduelle stable. Otoscopie : oreille droite, tympan cicatriciel; oreille gauche, tympan scl reux.,

Pure tone audiometry / Audiom trie tonale



Right ear / Oreille droite

Left ear / Oreille gauche

Free internet access / Accès internet gratuit

Free internet access is available during the course. The 2 terminals are located at the ground floor of the clinic (F) / *Accès internet gratuit pendant le cours avec 2 bornes internet au rez-de-chaussée (F)*

Certificate of attendance - CME Credit / Certificat de présence - FMC

The 15th International Otology Course has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME) and is designed for up to 15 CME credits. Certificate of attendance and CME forms will be available at the registration desk of the course (F: ground floor) / *Le 15ème Cours International d'Otologie a été accrédité par le Conseil Européen d'Accréditation pour la FMC (EACCME) pour un maximum de 15 points. Les certificats de présence et de FMC sont à retirer au bureau des inscriptions (F: rez-de-chaussée)*

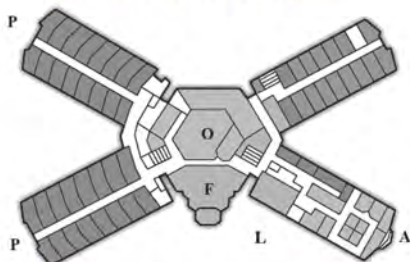
Recording of the Course / Enregistrement du Cours:

The entire program of the 15th International Otology Course will soon be available both in the e-library of the Live International Otolaryngology Website (LION) at: www.lion-web.org and on a DVD. You can pre-order the DVD at the registration desk / *Le programme complet du 15ème Cours d'Otologie sera rapidement disponible sur la e-library du site internet du Live International Otolaryngology Network (LION): www.lion-web.org, ainsi que sur DVD que vous pouvez réserver au bureau des inscriptions.*

Lunch, exhibits / Lunch, stands

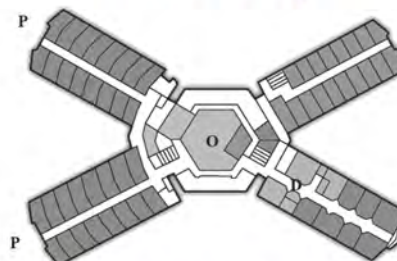
Exhibits are located at the ground floor (F) and the otology department (D) / *Les stands sont situés au rez de chaussée (F) et au niveau du département d'otologie (D)*. Lunch takes place in front of the Clinic building (L) / *Lunch en face de la Clinique (L)*

Ground floor / Rez de chaussée



F: Front desk main entry (registration) / Bureau des inscriptions
entrée principale - P: Patient's room / Chambres des patients -
A: Audiometry department / Département d'audiométrie -
O: Operating theatres 1 to 3 / Salles d'opérations 1 à 3

1st floor / 1er étage



O: Operating theatres 4 to 9 / Salles d'opérations 4 à 9 -
D: Otolaryngology Department / Département d'otologie -
P: Patient's room / Chambres des patients

2nd floor / 2ème étage



C: Conference room / Salle de conférence

