

19th International Causse Otology Course



19^{ème} Cours International d'Otologie



June 29th - July 1st 2011
29 Juin - 1^{er} Juillet 2011

CAUSSE EAR CLINIC
CLINIQUE CAUSSE

PROGRAM PROGRAMME



Honorary Guest Faculty



Sujana S. Chandrasekhar, Director of New York Otology, Director of Neurotology at the James J. Peters Veterans Administration Medical Center, Otologist/Neurotologist at the New York Head and Neck Institute. Past President of the American Academy of Otolaryngology-Head and Neck Surgery. At the clinical forefront in management of disorders of hearing, balance, tinnitus, facial nerve, and lateral skull base, cochlear and Baha implants.



Robert JS Briggs, Clinical Associate Professor, University of Melbourne, Royal Melbourne Hospital. Clinical Executive Director of Otolaryngology, Head of Otology and Medical Director of the Cochlear Implant Clinic at the Royal Victorian Eye and Ear Hospital. Mr Briggs has a large experience with surgery for otosclerosis, acoustic neuromas & cochlear implantation. His research has focused on cochlear implant electrode development and safety and the role of Auditory Brainstem Implantation.

International Permanent Faculty



Chris Aldren, FRCS, Windsor-UK. He has a large otological practice particularly in primary and revision stapes surgery and ossiculoplasty. He runs an annual Advanced Middle Ear Surgery Course in May at Wexham Park Hospital. He lectures and operates internationally. He is a Board member of LION and the British Society of Otology and is the Past President of LION. He is on the Faculty since 18 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 since its inception.



Oswaldo Laercio Mendonça Cruz, MD PhD, Professor ENT Department, Otolaryngology-Neurotology division, Federal University of Sao Paulo-Brazil. Coordinator of the Otology Center of the Hospital Sírio-Libanês. Special interest in cholesteatoma neurotology and skull base procedures and has published numerous articles in these fields. He is a Board member of LION and is on the Faculty since 11 years.



Sady Selamen Da Costa, Professor ENT Department Federal University of Porto Allegre-Brazil. He is the Past President of the Brazilian Society of Otolaryngology. Prof. 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 11 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 5 years.



Wilko Grolman, MD PhD, Professor, Dept. of Otolaryngology University Medical Center Utrecht-Netherlands. His primary clinical interests are stapes surgery and cochlear implantation. Professor Grolman has published many papers in these fields. Professor Grolman is President of LION. He is on the Faculty of the Course since 11 years.



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



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 tympanomastoid surgery, cartilage ossiculoplasty & posterior canal reconstruction. He is on the Faculty of the Course since 11 years.



Neil Sperling, MD New York Otology Group, Affiliate Assistant Professor, Weill Cornell Medical College, New York 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 Otology. He is on the Faculty of the Course since 18 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 10 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 10 years.



Duane Mol, Otologist, 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 Otology 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 9 years.



Marc Bassim, MD. Assistant Professor of Otolaryngology and Neurotology, department of Otolaryngology Head and Neck Surgery, American University of Beirut Medical Center, Beirut - Lebanon. His research interests include all diseases of the ear, dizziness, and hearing loss and its correction via different implantable prostheses. He is on the Faculty of the Course since 3 years.

Resident Faculty (Causse Ear Clinic)



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



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



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



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



François CACES, joined the Causse Ear Clinic Otology Group in 2014. Dr Cacès has a special interest in chronic otitis surgery and neurotology.



08:00	Registration / Inscriptions
08:30	Welcome & introduction / Accueil & introduction: Robert Vincent
SESSION 1: OTOSCLEROSIS / OTOSPONGIOSE	
08:45	Otosclerosis surgery, rules & hints / Otospongiose, règles et principes: John Oates - Wilko Grolman
09:30	Live surgery session 1A & 1B / Chirurgie en direct session 1A et 1B Otosclerosis primary surgery / Otospongiose primaire Surgeon / Chirurgien: Robert Vincent Moderators / Modérateurs: Wilko Grolman, John Oates
10:30	Break and exhibit / Pause et visite des stands
11:00	A flexible approach to stapes surgery / Flexibilité en chirurgie stapédiennne Ashim Desai
11:20	Otosclerosis, from the lab to the clinic / Otospongiose, de la recherche à la clinique Sady Selamen Da Costa
11:40	Live surgery session 1C & 1D / Chirurgie en direct session 1C & 1D Otosclerosis revision surgery - Ossiculoplasty: TORP with Malleus Relocation & Silastic Banding / Reprise otospongiose - Ossiculoplastie: TORP avec Reposition du Marteau & Anneau Silastic Surgeons / Chirurgiens: Robert Vincent, Moderators/Modérateurs: David Bowdler, Ashim Desai
12:30	Lunch (Restaurant 2 nd floor) / Lunch (Restaurant, 2 ^{ème} étage)
14:00	Congenital malformation of the ossicle / Malformations congénitales Robert Vincent
14:30	Neuro-otological and Neuro-optometric evaluation and treatment of patient with complex dizziness / Evaluation neuro-otologique, neuro-optométrique et traitement d'un patient présentant un vertige complexe Sujana S. Chandrasekhar
15:00	Advanced Techniques in Ossiculoplasty / Techniques d'Ossiculoplastie Robert Vincent
15:30	Break and exhibit / Pause et visite des stands
16:00	Otosclerosis: managing patient's expectations / Otospongiose: les attentes du patient Wilko Grolman
16:15	Otosclerosis Surgery «In and around» / Chirurgie de l'otospongiose «In & around» Moderators / Modérateurs: Neil Sperling, Sady Selamen Da Costa Panelist / Panel: Sujana Chandrasekhar, Robert Briggs, Chris Aldren, John Oates, Manohar Bance, Ashim Desai, Robert Vincent, Wilko Grolman Surgical indications? The role of imaging? - Instrumentation: Do we really need a laser? Anesthesia: local or general? / Surgical approach: Endaural vs transcanal The best surgical technique and prosthesis if any? The role of endoscopy? - Implantable hearing devices and otosclerosis - Far advanced otosclerosis - Otosclerosis related to age, children and elderly / Indications chirurgicales? La place de l'imagerie? - Instrumentation: l'indispensable laser? Anesthésie: locale ou générale? - Voie d'abord. Endaurale vs transcanalaire La meilleure technique et la meilleure prothèse? La place de l'endoscopie? - Prothèses implantables et otospongiose - Otospongiose très avancée - L'otospongiose chez l'enfant et le sujet âgé
17:30	My 5-mns meditation on Otology / Mes 5 mns de méditation sur l'Otologie Sujana Chandrasekhar & Robert Briggs
17:45	Adjourn / Fin du programme de la journée
20:15	Gala Diner / Dîner officiel: Domaine le Clos de Maussanne, route de Pézenas Registration is required as sitting is limited - Dressing code: casual / Inscription obligatoire en raison du nombre limité de places - Free shuttle bus service from Causse Clinic at 19h30 or Béziers Downtown at 19h45 or Causse / Navette gratuite depuis la Clinique Causse à 19h30 ou le centre ville de Béziers à 19h45

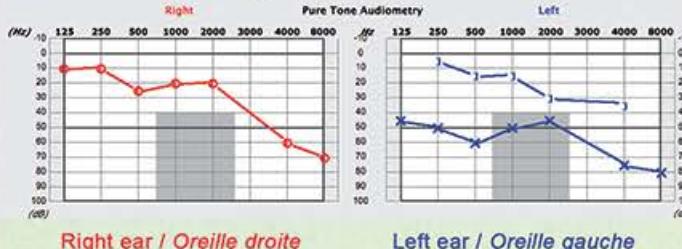


**Left ear: Otosclerosis primary surgery.**

60 year-old male. Progressive bilateral hearing loss over time more severe on the right ear. Right primary surgery for otosclerosis (R Vincent) in 2011 with good and stable result. Recent left hearing deterioration. Personal and family history negative. Otoscopy normal. Tuning fork: Weber test lateralized towards the left ear.

Oreille gauche: Otospongiose primaire.

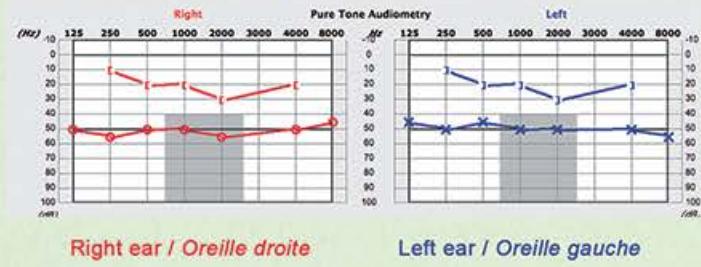
Homme de 60 ans. Surdité progressive bilatérale plus importante à droite. Intervention pour otospongiose droite (R Vincent) en 2011 avec bon résultat stable. Aggravation récente de la surdité gauche. Otoscopie normale. Acoumétrie: Weber lateralisé à gauche.

Pure tone audiometry / audiométrie tonale**Right ear: Otosclerosis primary surgery.**

33 year-old female. Progressive bilateral hearing loss without tinnitus nor dizziness. Binaural hearing user since several years without great satisfaction since few years. No family history of deafness. Personal history negative. Otoscopy normal.

Oreille gauche: Otospongiose primaire.

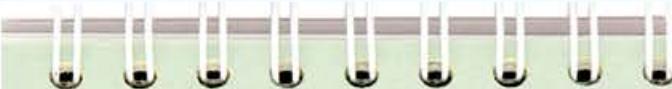
Patiene de 34 ans. Surdité progressive bilatérale évolutive sans acouphènes ni vertiges. Porteuse de prothèses auditives amplificatrices des deux côtés avec une efficacité qui diminue ces dernières années. Antécédents familiaux et personnels négatifs. Otoscopie normale.

Pure tone audiometry / audiométrie tonale

Live Surgery
Chirurgie en direct
Session 1C : R. VINCENT

OTOSCLEROSIS

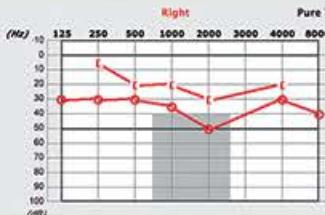
OR / Bloc 5

**Right ear: Otosclerosis revision surgery.**

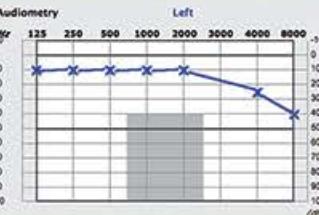
44 year-old female. Previous right failed stapedectomy in 2013 (other surgeon) with postoperative dizziness. Right revision operation (other surgeon) without hearing improvement and persistent intermittent dizziness after sneezing or when blowing her nose. Otoscopy normal. Presence of a right fistula sign.

Oreille droite: Reprise pour otospongiose.

Patiante de 44 ans. Echec d'une précédente intervention pour otospongiose droite en 2013 (autre chirurgien) avec vertiges postopératoires. Reprise opératoire droite (autre chirurgien) sans amélioration de l'audition et persistance des manifestations vertigineuses provoquées par le mouchage ou les éternuements. Otoscopie normale. Signe de la fistule positif à droite.

Pure tone audiometry / Audiométrie tonale

Right ear / Oreille droite



Left ear / Oreille gauche



Live Surgery

Chirurgie en direct

Session 1D : R. VINCENT

OSSICULOPLASTY

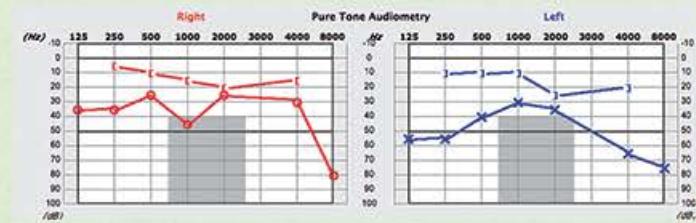
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**Left ear: Ossiculoplasty primary surgery.**

58 year-old female. Long-term history of repeated otitis since childhood with residual hearing loss more severe since few months. Intermittent right otorrhoea. Otoscopy: right subtotal unstable TM perforation with otorrhoea; left posterior TM retraction with myringo-stapediopexy.

Oreille gauche: Ossiculoplastie, chirurgie primaire.

Patiante de 58 ans. Antécédents otitiques dans l'enfance avec surdité séquellaire s'aggravant récemment. Otorrhée droite intermittente. Otoscopie: perforation tympanique droite sub totale inflammatoire avec otorrhée; rétraction tympanique gauche avec myringo-stapédopexie

Pure tone audiometry / Audiométrie tonale

Right ear / Oreille droite

Left ear / Oreille gauche



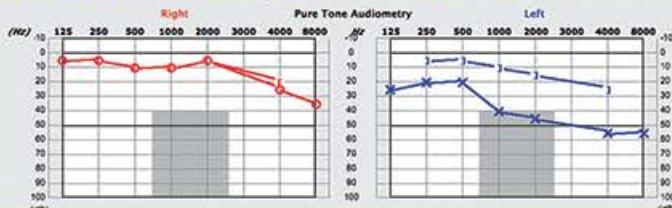
07:45	Welcome / Accueil
SESSION 2: OSSICULAR RECONSTRUCTION / OSSICULOPLASTIE	
08:00	Ossicular reconstruction. Basics & Principles / <i>Ossiculoplasties. Bases et Principes</i> Marc Bassim
08:15	Live surgery session 2A & 2B / <i>Chirurgie en direct session 2A & 2B</i> <i>Ossiculoplasty / Ossiculoplastie</i> Surgeons / <i>Chirurgiens</i> : Renaud Pialoux, Thibaud Dumon Moderators / <i>Modérateurs</i> : Marc Bassim, Neil Sperling
09:15	Ossiculoplasty, why bother ? / <i>Ossiculoplastie, à quoi bon ?</i> Chris Aldren
09:35	Otoendoscopy of the middle ear / <i>Endoscopie de l'oreille moyenne</i> David Bowdler
09:55	Break and exhibit / <i>Pause et visite des stands</i>
10:25	Tympanic Membrane Reconstruction, lessons from the middle ear mechanics lab / <i>Greffes tympaniques, les leçons du laboratoire de mécanique de l'oreille moyenne</i> Manohar Bance
11:00	Live surgery sessions 2C & 2D / <i>Chirurgie en direct session 2C & 2D</i> VSB Implantation / VSB implantation Surgeons / <i>Chirurgiens</i> : Thibaud Dumon Moderators / <i>Modérateurs</i> : Chris Aldren, Duane Mol
12:30	Lunch (Restaurant 2 nd floor) / <i>Lunch (Restaurant, 2^{ème} étage)</i>
14:00	Ossicular reconstruction with cement - The "Touch-up" middle ear surgery / <i>Ossiculoplasties par ciment: technique de "Retouche"</i> Duane Mol
14:20	Bone anchored hearing aid: Past, present and future / <i>Implants à ancrage osseux: passé, présent et futur</i> Robert Briggs
14:50	Tympanic membrane retraction / <i>Rétraction tympanique</i> Neil Sperling
15:15	Grand Inquisition in Ossiculoplasty / Grande Inquisition en Ossiculoplastie Controversial case presentation / Cas cliniques Grand Inquisitors / <i>Grands Inquisiteurs</i> : Chris Aldren, David Bowdler Panelist / <i>Panel</i> : Sujana Chandrasekhar, Robert Briggs, Marc Bassim, Manohar Bance Thomas Lenarz, Wilko Grolman, Neil Sperling, Thibaud Dumon
16:30	Break and exhibit / <i>Pause et visite des stands</i>
SESSION 3: IMPLANTABLE HEARING DEVICES / PROTHESES IMPLANTABLES	
17:00	Intervention into the inner ear with hearing preservation. Current status and beyond / <i>Chirurgie de l'oreille interne avec préservation de l'audition. Etat actuel, perspectives</i> Thomas Lenarz
17:30	Implantable hearing devices, State of the Art / <i>Prothèses implantables. Etat de l'Art</i> Thibaud Dumon
17:50	Adjourn / <i>Fin du programme scientifique</i>
18:10	Free shuttle bus service from Causse Clinic to Béziers downtown / <i>Navette gratuite vers centre ville de Béziers</i>
20:15	Welcome reception at Chateau de La Tour, Montady / <i>Réception de bienvenue et dîner au Chateau de La Tour à Montady</i> Courtesy of the Causse Ear Clinic for all participants and accompanying persons. No registration is required / <i>Offert par la Cinique Causse à tous les participants et leurs accompagnants. Aucune inscription n'est nécessaire.</i> Free shuttle bus service from Béziers Downtown Causse Clinic at 19h45 or Causse Clinique at 20h00 / <i>Navette gratuite depuis le Centre Ville de Béziers à 19h45 ou la Clinique Causse à 20h00</i>



Left ear: Ossicular reconstruction, revision surgery.
26 year-old male. Long-term history of repeated otitis since childhood. Two previous right tympanoplasty (other surgeons). Right 2nd revision tympanoplasty (T Dumon) in 2012: TORP insertion with combined malleus relocation and Silastic banding technique (malleus-to-footplate assembly) and cartilage grafting. Good and stable hearing result. Two previous failed left tympanoplasty (other surgeons). Left 2nd revision tympanoplasty (T Dumon) in 2014: ossiculoplasty with Titanium clip PORP which was positioned underneath the cartilage interposition (TM-to-stapes head assembly). Good initial result followed by recurrent left mixed hearing loss after 6 months. Otoscopy: bilateral stable TM.

Oreille gauche: Ossiculoplastie, reprise chirurgicale.
Patient de 26 ans. Antécédents otitiques dans l'enfance. Deux précédentes tympanoplasties droites (autres chirurgiens). Reprise de tympanoplastie droite (T Dumon) en 2012: ossiculoplastie par TORP avec reposition du marteau et anneau Silastic (marteau-platine mobile) avec greffe de cartilage; bon résultat stable. Deux précédents échecs de de tympanoplastie gauche (autres chirurgiens). Deuxième reprise de tympanoplastie gauche (T Dumon) en 2014: ossiculoplastie par PORP Clip Titane positionnée directement sous la membrane tympanique (montage tympan-tête de l'étrier). Bon résultat initial suivi par surdité gauche récidivante après 6 mois. Otoscopie: normale.

Pure tone audiometry / Audiometrie tonale



Right ear / Oreille droite

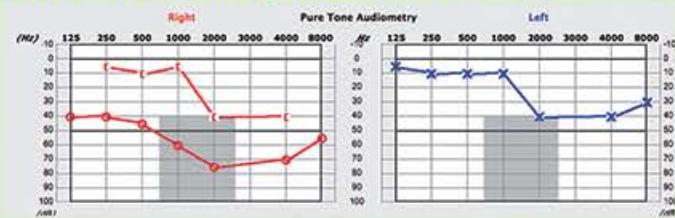
Left ear / Oreille gauche



Right ear: Ossicular reconstruction, revision.
51 year-old male. Long-term history of repeated otitis. Right previous failed tympanoplasty during childhood without hearing improvement. Stable residual right hearing loss without otorrhoea. Otoscopy: right scarred TM; left ear normal

Oreille droite: Ossiculoplastie, reprise chirurgicale.
Patient de 51 ans. Antécédents otitiques dans l'enfance. Echec d'une précédente tympanoplastie droite dans l'enfance avec surdité séquellaire stable sans otorrhée. Otoscopie: tympan droit atrophique; oreille gauche normale.

Pure tone audiometry / Audiometrie tonale



Right ear / Oreille droite

Left ear / Oreille gauche



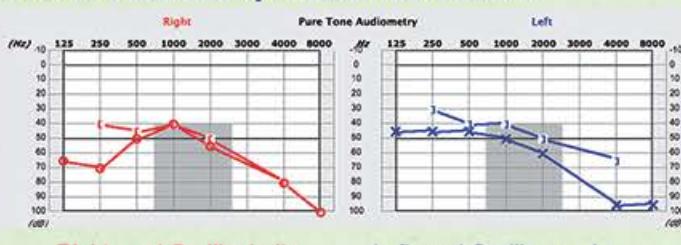
Right ear: Vibrant Soundbridge (VSB) insertion.

59 year-old female. Long-term history of repeated otitis with bilateral previous failed tympanoplasty (other surgeons). Left revision tympanoplasty (T Dumon) in 2008 with Titanium TORP insertion which was positioned underneath the TM cartilage interposition with Silastic banding technique (TM-to-footplate assembly). Right revision tympanoplasty in 2013 (T Dumon) with Titanium Clip PORG insertion which was positioned from TM to stapes head with cartilage grafting without hearing improvement (TM-to-stapes head assembly). Progressive hearing deterioration. Otoscopy: bilateral stable cartilage TM

Oreille droite: implant Vibrant Soundbridge.

Patient de 59 ans. Antécédents otiques dans l'enfance avec échecs de tympanoplasties bilatérales (autres chirurgiens). Reprise de tympanoplastie gauche en 2008 (T Dumon) avec ossiculoplastie par TORP positionnée sous la membrane tympanique (montage tympan-platine). Echec d'une reprise de tympanoplastie droite en 2013 (T Dumon) avec ossiculoplastie par PORG Clip Titane positionnée sous le tympan (montage tympan-tête de l'étrier) avec greffe de cartilage. Détérioration auditive bilatérale. Otoscopie: Greffe de cartilage stable des deux côtés.

Pure tone audiometry / Audiométrie tonale



08:00	Welcome / Accueil
SESSION 4: CSOM / OTITE CHRONIQUE	
08:15	Tympanic membrane grafting: materials & techniques / <i>Greffes tympaniques: matériels & techniques</i> Marc Bassim
08:30	Live surgery sessions 4A & 4B / <i>Chirurgie en direct sessions 4A & 4B</i> CSOM with and without cholesteatoma: Canal Wall Up technique and Type 1 tympanoplasty / <i>Otite Chronique Cholestéatomateuse et Otite Chronique Simple</i> <i>Simple: Technique Fermée et Tympanoplastie type 1</i> Surgeons / <i>Chirurgiens</i> : Thibaud Dumon, François Cacès
10:15	Break and exhibit / <i>Pause et visite des stands</i>
11:00	Live surgery session 4C & 4D / <i>Chirurgie en direct session 4C & 4D</i> CSOM without cholesteatoma: Type 1 tympanoplasty / <i>Otite Chronique Simple: tympanoplastie type 1</i> Surgeons / <i>Chirurgiens</i> : Thibaud Dumon, François Cacès
12:00	Closure and lunch (restaurant 2 nd floor) / <i>Fin du cours et lunch (restaurant 2^{ème} étage)</i>

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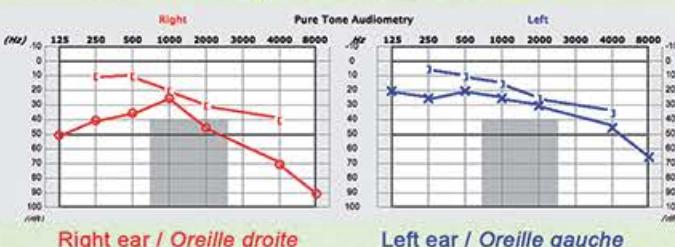


Right ear: Type 1 tympanoplasty.

57 year-old female. History of repeated otitis during childhood. Previous failed type 1 right tympanoplasty in 1991 (other surgeon) with stable residual hearing loss without recent history of otorrhoea. Otoscopy: Right anterior stable TM perforation; left ear normal

Oreille droite: Tympanoplastie type 1.

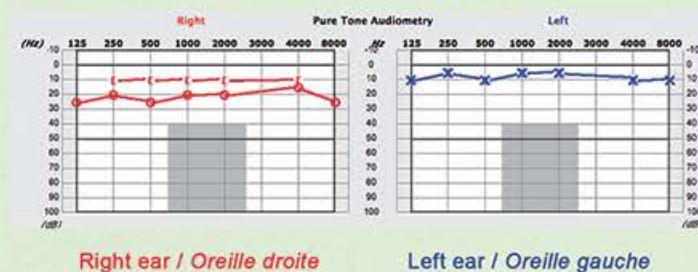
Patiante de 57 ans. Antécédents otitiques dans l'enfance. Echec d'une précédente myringoplastie droite en 1991 (autre chirurgien) avec surdité résiduelle stable sans otorrhée. Otoscopie: perforation tympanique antérieure droite stable; oreille gauche normale.

Pure tone audiometry / Audiométrie tonale**Right ear: surgery for CSOM with Cholesteatoma. Canal Wall Up technique**

10 year-old female. Right progressive hearing loss. History of repeated tube insertion. Otoscopy: left ear normal; right total TM perforation with middle ear cholesteatoma.

Oreille droite: cholestéatome; tympanoplastie en technique fermée.

Patiante de 10 ans. Surdité droite progressive. Plusieurs poses de drain trans-tympanique. Otoscopi: oreille gauche normale; perforation tympanique droite avec cholestéatome.

Pure tone audiometry / Audiométrie tonale

Live Surgery
Chirurgie en direct
Session 4C : F. Cacès

TYMPANOPLASTY

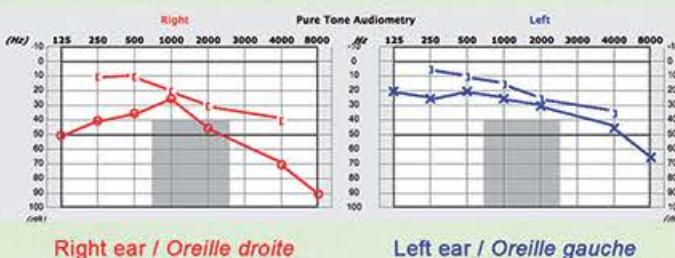
OR / Bloc 5

**Right ear: Type 1 tympanoplasty.**

63 year-old male. Long term history of right repeated otitis with ipsilateral right stable TM perforation. Personal history negative. Otoscopy: left ear normal; right stable posterior TM perforation

Oreille droite: Tympanoplastie type 1

Patiante de 63 ans. Antécédents otitiques dans l'enfance avec perforation tympanique droite séquellaire. Antécé-dents personnels négatifs. Otoscopie: oreille gauche normale; perforation tympanique droite postérieure stable.

Pure tone audiometry / Audiométrie tonale

Right ear / Oreille droite

Left ear / Oreille gauche

Live Surgery
Chirurgie en direct
Session 4D : T Dumon

TYMPANOPLASTY

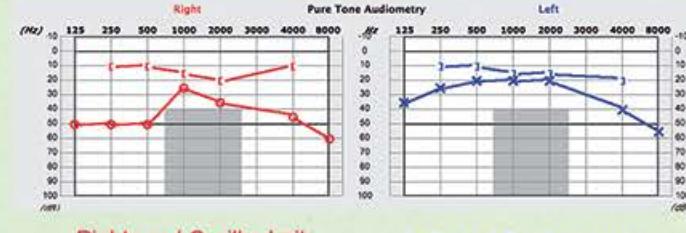
OR / Bloc 6

**Right ear: Type 1 tympanoplasty.**

52 year-old male. History of repeated otitis during childhood. Bilateral stable residual hearing loss more severe on the right ear without otorrhoea. Otoscopy: right stable total TM perforation; left stable inferior TM perforation.

Oreille droite: Tympanoplastie type 1.

Patient de 52 ans. Long passé d'otite chronique dans l'enfance. Surdit séquillaire bilatérale plus importante à droite, sans otorrhée récente. Otoscopie: perforation tympanique droite sub-totale stable; perforation tympanique gauche centrale.

Pure tone audiometry / Audiométrie tonale

Right ear / Oreille droite

Left ear / Oreille gauche



WiFi free internet access / Accès internet gratuit

WiFi free internet access is available during the course in the conference room: "Guest WiFi" (no password) / *Accès internet wifi gratuit pendant le cours dans la salle de conférences: "Guest WiFi" ; pas de mot de passe*

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

The 19th 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 / *Le 19^{ème} Cours International d'Otologie a été accrédité par le Conseil Européen d'Accréditation pour la FMC (EACCME) pour une valeur de 15 points. Les certificats de présence et de FMC sont à retirer au bureau des inscriptions*

Recording of the Course / Enregistrement du Cours:

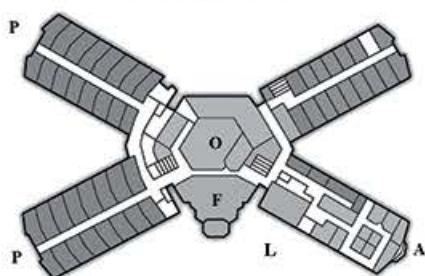
The 19th International Otology Course (live surgery, panel discussions and conferences will soon be available in the LION YouTube channel (Live International Otolaryngology Network) / *Le 19^{ème} Cours d'Otologie sera rapidement disponible sur la chaîne YouTube du LION (Live International Otolaryngology Network)*



Lunch, exhibits / Lunch, stands

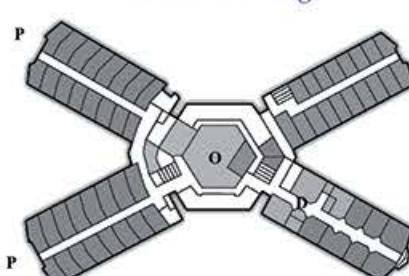
Lunch takes place in the restaurant located at the 2nd floor of the main clinic building (C) / *Lunch servis au restaurant situé au 2^{ème} étage du bâtiment principal de la clinique (C)*

Ground floor / Rez de chaussée



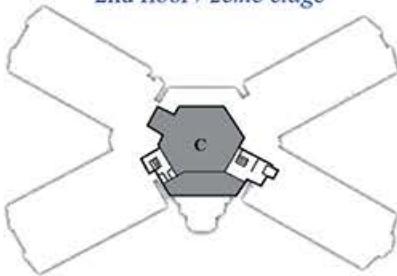
F: Front desk main entry / Bureau d'accueil de la clinique
P: Patient's room / Secteur d'hospitalisation - A: Audiology department / Département d'audiométrie - O: Operating rooms / Blocs opératoires

1st floor / 1er étage



O: Operating rooms / Blocs opératoires - P: Patient's room / Secteur d'hospitalisation - D: Otology department / Département d'audiométrie - O: Operating rooms / Blocs opératoires

2nd floor / 2ème étage



C: Cafeteria, restaurant / Cafétéria, restaurant



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The Organizing Committee of the 19th International Otology Course
wishes to thank Roger and Anne Authié for their great contribution