

Scientific programme

'Evidence Skull based'

Wednesday 5 June 2024

Lobby North

10.00 – 18.00 hrs.

Registration

13.00 – 17.45 hrs.

Exhibition

Auditorium

12.30 – 13.00 hrs.

Opening

13.00 – 13.30 hrs.

Keynote lecture 1 – Expanded anterior endoscopic approach to skull base

Martin Jurlina, Croatia

Chair: Dirk Kunst, The Netherlands

13.30 – 15.00 hrs.

Clinical Pathway session 1 – Vestibular Pathology

Raymond van den Berg, The Netherlands (Moderator)

13.30 - 14.00 hrs.

When to perform vestibular surgery? Diagnostics and indications

Raymond van den Berg, The Netherlands

14.00 - 14.30 hrs.

The success of surgery in Meniere's Disease is overestimated

Tjasse Bruintjes, The Netherlands

14.30 - 15.00 hrs.

Expertise of 20 years of Vestibular Nerve Section by Middle Fossa Approach

Kazimierz Niemczyk

15.00 – 15.30 hrs.

Break

15.30 – 17.00 hrs.

Clinical Pathway session 1 – Vestibular Pathology

Raymond van den Berg, The Netherlands (Moderator)

15.30 - 16.00 hrs.

Superior Canal Dehiscence Syndrome

Shakeel Saeed, United Kingdom

16.00 - 16.45 hrs.

Vestibular management in the Skull base patient

Noweed Ahmad, United Kingdom

16.45 - 17.00 hrs.

Round table about surgical management of vestibular disorders

All speakers

17.00 – 17.45 hrs.

Opening ceremony

Dirk Kunst, The Netherlands

Davide Locatelli, Italy

Handover of the Presidential chain, Honorary members recognition

Ugo Fisch Memorial Lecture: what will remain for the next generation of surgeons?

Thomas Linder, Switzerland

17.45 – 19.00 hrs.

Welcome drinks in bar/bistro SAAM

Room Brussels

- 13.00 – 13.30 hrs. **Keynote lecture 2** – Treatment of Petroclival Meningiomas
Lars Poulsgaard, Denmark
Chair: Mark ter Laan
- 13.30 – 15.00 hrs. **Round table session 1** - Management of craniopharyngiomas
Ilhan Elmaci, Turkey (Moderator and speaker)
Craniotomy vs. endonasal treatment in craniopharyngioma
Eduard Voormolen, The Netherlands
Current state of art craniopharyngioma surgery Craniopharyngiomas: two entities, different indications
Davide Locatelli, Italy
- 15.00 – 15.30 hrs. **Break**
- 15.30 – 17.00 hrs. **Round table 3** – Tumors of the anterior and central skull base
José Hardillo, The Netherlands (Moderator and speaker)
Recent advances in multidisciplinary care for SNUC and SCC
Matthew Geltzeiler, United States of America
Treatment of large olfactory groove meningiomas (surgical approach and outcomes)
Lars Poulsgaard, Denmark
Functional Imaging of Pituitary tumors
Wouter van Furth, The Netherlands
Management of ITAC's using the Sato technique
Dominiek Monserez, The Netherlands

Room Paris

- 13.00 – 13.30 hrs. **Keynote lecture 3** – Intraoperative management of the facial nerve during vestibular schwannoma surgery
Siviero Agazzi, United States of America
Chair: Yasin Temel, The Netherlands
- 13.30 – 15.00 hrs. **Round table session 2** – Hearing rehabilitation after vestibular schwannoma surgery
Introduction and Evidence base
Shakeel Saeed, United Kingdom (Moderator and speaker)
Intraoperative evaluation of the cochlear nerve for hearing rehabilitation in patients with vestibular schwannoma
Luis Lassaletta, Spain
What can we offer to patients with bilateral CPA lesions?
Cordula Matthies, Germany
Hearing rehabilitation and the role of auditory implants
Thomas Lenarz, Germany
Discussion and questions
- 15.00 – 15.30 hrs. **Break**
- 15.30 – 17.00 hrs. **Round table session 4** - Malignancies of the temporal bone RT
Dan Fliss, Israel (Moderator and speaker)
Squamous Cell Carcinoma - of the temporal bone - evaluation of an international cohort focusing on T4 tumors
Dirk Kunst, The Netherlands
Malignancies extending into the temporal bone
Ben Panizza, Australia

Temporal bone SCC: Do they have a better prognosis?

Giovanni Danesi, Italy

Endoscopic resection of malignancies involving the temporal bone

Paul Gardner, United States of America

Hearing rehabilitation after malignancies of the temporal bone

Sebastian Schraven, Germany

Room Berlin/Copenhagen

13.30 – 15.00 hrs.

Free paper session 1 - Video abstracts

Chair: Thijs Jansen, The Netherlands

Minimally invasive contralateral endoscopic endonasal approach for a true intracavernous epidermoid cyst resection

A. Fava

Combined petrosal approach (CPA) for petroclival tumours: a practical and training-oriented perspective

L. Tariciotti

Endoscopic trans-ventricular approach for cystic craniopharyngioma- a technical case report

A. Georgiannakis

Cranio-orbitozygomatic approach for resection of sphenoorbital meningioma with infratemporal fossa extension

L. Tariciotti

Left Occipital Artery to Right P3 Bypass with Radial Interposition Graft and Trapping of P3 Aneurysm

G. Zenonos

Far Medial Approach for Clipping of Ventral Ruptured PICA Aneurysm

G. Zenonos

Cranio-orbitozygomatic approach for resection of sphenoorbital meningioma with infratemporal fossa extension

L. Tariciotti

Extra-axial hemangioblastoma of the cerebellopontine angle

L. Tariciotti

15.00 – 15.30 hrs.

Break

15.30 – 17.00 hrs.

Free paper session 3 - Vestibular schwannoma

Chair: Cordula Matthies, Germany

British Skull Base Society Evidence-Based Consensus on Vestibular Schwannoma Surveillance.

D. Borsetto

Surgery for recurrent vestibular schwannoma – is it safe?

A. Vlasak

Continuous education in interdisciplinary vestibular schwannoma surgery

C. Matthies

Surgical outcomes of the multidisciplinary treatment of Koos grade IV vestibular schwannomas

F. Ruiz Juretschke

Impact of Covid-19 pandemic and surgeon retirement on skull base caseload and vestibular schwannoma surgery outcomes.

B. Davis

Vestibular schwannoma surgery: surgical approach based on tumor dimension.
G. Pepe
Untreated vestibular schwannoma: A systematic review on growth determinants.
D. Alvarado
Cerebral venous sinus thrombosis post vestibular schwannoma resection: A Case Series
A. Shoakazemi
Shifting management strategies in 30 years of multidisciplinary vestibular schwannoma care: an evaluation of 3141 patients
N. de Boer

Room Rome

13.30 – 15.00 hrs.

Free paper session 2 – (facial) Nerve

Chair: Paul Gardner, United States of America

Cranial nerve dysfunction in patients with an occipital condyle fracture: a 14-year retrospective observational study.

M. Thevis

Tear production in relation to intermediate nerve function and vestibular schwannoma surgery

W. van Vollenhoven

A retrospective study of facial nerve function preservation in large acoustic neuroma: A Young Doctor's Experience

Z. Chen

Delayed facial nerve palsy after vestibular schwannoma surgery during the Covid-19 pandemic.

Z. Fik

Facial Nerve Function after Incomplete Resection of Vestibular Schwannomas that Failed Initial Stereotactic Radiosurgery

P. Gardner

Two-year outcome of delayed facial palsy after resection of vestibular schwannoma

Y. Uozumi

A Cross-over study comparing the effects of Lactated Ringers (LR) vs. Normal Saline (NS) irrigation on Multi-Modality Intra-operative Neuromonitoring during skull base Surgery involving the facial nerve

G. Zenonos

The mini-combined transpetrosal approach for skull base tumors: indications and surgical outcomes

A. Fava

Facial Nerve Decompression: the Cambridge and London experience.

D. Borsetto

15.00 – 15.30 hrs.

Break

15.30 – 17.00 hrs.

Free paper session 4 - Anterior/Central Benign tumors & General

Chair: Hans Thomeer, The Netherlands

Craniopharyngiomas: a personal surgical experience supporting endonasal resection

C. Hannen

Endocavitary treatment of cystic craniopharyngiomas with interferon alpha 2b.

S.A. Benbouali

The experience with the Inside-Out Technique for resection of Craniopharyngiomas during Endoscopic Endonasal Approaches (EEAs)

G. Zenonos

Endoscopic transclival approach to brainstem cavernomas: our preliminary experience and the role of diffusion tensor imaging with tractography

D. Aiudi

Surgical management and treatment outcome of patients with juvenile nasopharyngeal angiofibroma: a multicenter retrospective study

W. Szweryn

Long term follow-up of multidimensional health-related quality of life after endoscopic endonasal surgery for pituitary adenomas using the endoscopic endonasal sinus and skull base surgery questionnaire

G. Joustra

The "candy wrapper" of the pituitary gland: a road map to the parasellar ligaments and the medial wall of the cavernous sinus

S. Seroli

The Oculomotor Cistern and Pituitary Adenomas (PitNETs): Anatomical and Clinical Study

S. Seroli

Radiotherapy and Surgery for Vestibular Schwannomas: A Retrospective Analysis of a Single Center

H. Thomeer

Room Athens

15.30 – 16.15 hrs.

Basic instructional course ENT - Transtemporal approaches to the CPA

Maurizio Falcioni, Italy

16.15 – 17.00 hrs.

Basic instructional course Neuro - Skull base meningioma surgery (indications/ approaches and surgical techniques/closure and reconstruction)

Sebastien Froelich, France

Thursday 6 June 2024

Lobby North

07.30 – 18.00 hrs.

Registration

09.00 – 18.00 hrs.

Exhibition

Auditorium

08.00 – 08.30 hrs.

Keynote lecture - The infratemporal fossa approaches to the skull base – state of the art

Dan Fliss, Israel

Chair: Erik Hensen, The Netherlands

08.30 – 10.00 hrs.

Clinical Pathway session – Vestibular schwannoma

Sammy Schouten, The Netherlands (Organisator)

Erik Hensen, The Netherlands (Moderator and speaker)

08.30 - 08.50 hrs.

VS diagnosis: tumor biology & imaging

Andrew King, United Kingdom

08.50 - 09.10 hrs.

VS epidemiology & natural history

Per Cayé-Thomasen, Denmark

09.10 - 09.30 hrs.

VS Treatment: Stereotactic radiosurgery

Jeroen Verheul, The Netherlands

09.30 - 09.50 hrs.

VS Treatment: Microsurgery

Erik Hensen, The Netherlands

09.50 - 10.00 hrs.

Discussion

10.00 – 10.30 hrs.

Break

10.30 – 12.00 hrs.

Clinical Pathway session – Vestibular schwannoma

Sammy Schouten, The Netherlands (Organisator)

Erik Hensen, The Netherlands (Moderator and speaker)

10.30 - 10.55 hrs.

Quality of Life of VS patients

Michael Link, United States of America

10.55 - 11.20 hrs.

Clinical decision making in the 21st century

Shakeel Saeed, United Kingdom

11.20 - 12.00 hrs.

Case discussion

12.00 – 12.30 hrs.

Special topic lecture - Are robots our friends?

Maarten Steinbuch, The Netherlands

Chair: Dirk Kunst, The Netherlands

12.30 – 13.30 hrs.

Lunch

13.30 – 15.00 hrs.

Clinical Pathway session – Neurofibromatosis type 2 (NF2)

Ineke Pruijn, The Netherlands (Organisator)

Gareth Evans, United Kingdom (Moderator)

13.30 – 14.00 hrs.

Epidemiology, incidence, diagnosis/genetics

Gareth Evans, United Kingdom

14.00 – 14.30 hrs.

Treatment VS

Nick Thomas, United Kingdom

14.30 – 15.00 hrs.

Treatment meningioma

Michael Link, United States of America

15.00 – 15.30 hrs.

Break

15.30 – 17.00 hrs.	<p>Clinical Pathway session – Neurofibromatosis type 2 (NF2) <i>Ineke Pruijn, The Netherlands (Organisator)</i> <i>Gareth Evans, United Kingdom (Moderator)</i></p>
15.30 – 16.00 hrs.	<p>CI in NF2 and quality of life <i>Daniele Borsetto, United Kingdom</i></p>
16.00 – 16.30 hrs.	<p>The patients' perspective (Dutch NF Society) <i>Ine Israel, The Netherlands</i></p>
16.30 – 17.00 hrs.	<p>Discussion (clinical cases, expert opinion)</p>
17.00 – 17.30 hrs.	<p>Special topic lecture – Presentation of the ‘Chief failure officer’ <i>Paul Iske, The Netherlands</i> <i>Chair: Jolanda Derks, The Netherlands</i></p>
<i>Room Brussels</i>	
08.00 – 08.30 hrs.	<p>Keynote lecture - Dilemmas in temporal paragangliomas: partial versus total removal <i>Giovanni Danesi, Italy</i> <i>Chair: Thijs Jansen, The Netherlands</i></p>
08.30 – 10.00 hrs.	<p>Round table session – Skull base reconstruction after tumor resection <i>Eric Wang, United States of America (Moderator and speaker)</i> Free Grafts: Indications, Benefits, and Limitations <i>John DelGaudio, United States of America</i> Intranasal Flaps beyond the Nasoseptal Flap <i>Garret Choby, United States of America</i> Lowering Post-operative CSF Pressure: When, How and How Long? <i>Georgios Zenonos, United States of America</i> Use of Regional Flaps in Open and Endoscopic Skull Base Surgery <i>Christian Betz, Germany</i> “The International Consensus Statement in Allergy and Rhinology: Sinonasal Tumors and How It Can Help Practice <i>Edward Kuan, United States of America</i> Free Flaps in Endoscopic Skull Base Surgery: An Emerging Option <i>Eric Wang, United States of America</i> Case Discussion <i>All speakers</i></p>
10.00 – 10.30 hrs.	<p>Break</p>
10.30 – 12.00 hrs.	<p>Round table session – Neuromodulation session Principles of Neuromodulation <i>Yasin Temel, The Netherlands (Moderator and speaker)</i> The vestibular implant <i>Raymond van den Berg, The Netherlands</i> Deep Brain stimulation in severe tinnitus <i>Mark Janssen, The Netherlands</i> Auditory Brainstem Implant for severe tinnitus <i>Marc van Dijk, The Netherlands</i></p>

12.00 – 12.30 hrs.	Keynote lecture – Surgical approaches to anterior midline skull base meningiomas <i>Michaël Bruneau, Belgium</i> <i>Chair: Yasin Temel, The Netherlands</i>
12.30 – 13.30 hrs.	Lunch
13.30 – 15.00 hrs.	Round table session – AI & Imaging <i>Patrick Langenhuizen, The Netherlands (Moderator and speaker)</i> <i>Stefan Cornelissen, The Netherlands</i> <i>Francis Creighton, United States of America</i> <i>Jonathan Shapey, United Kingdom</i>
15.00 – 15.30 hrs.	Break
15.30 – 17.00 hrs.	Round table session - Multiple and bilateral paragangliomas: management and QOL <i>Giovanni Danesi, Italy (Moderator and speaker)</i> Managing paragangliomas found through surveillance - what to do and when <i>Rupert Obholzer, United Kingdom</i> <i>Giuseppe De Donato, Italy</i> <i>Kazimierz Niemczyk, Czech Republic</i>
17.00 – 17.30 hrs.	Keynote lecture - Genetics in skull base pathology <i>Liesbeth Spruijt, The Netherlands</i> <i>Chair: Thijs Jansen, the Netherlands</i>
<i>Room Paris</i>	
08.00 – 08.30 hrs.	Keynote lecture - Surgical anatomy of the lateral skull base <i>Samy Youssef, United States of America</i> <i>Chair: Koos Hovinga, The Netherlands</i>
08.30 – 10.00 hrs.	Round table session – Petroclival meningioma <i>Fernando Muñoz-Hernández, Spain (Moderator and speaker)</i> Natural history of Petroclival Meningiomas. When not to operate? <i>Fernando Muñoz-Hernández, Spain</i> Transpetrosal approach for Petroclival Meningiomas <i>Sebastien Froelich, France</i> Retrosigmoid approach for Petroclival Meningiomas <i>Ricardo Ramina, Brazil</i> Endoscopic endonasal approach for Petroclival Meningiomas <i>Paul Gardner, United States of America</i> Combined endoscopic and transcranial approach for Petroclival Meningiomas <i>Samy Youssef, United States of America</i>
10.00 – 10.30 hrs.	Break
10.30 – 12.00 hrs.	Round table session – Orbital approaches <i>Davide Locatelli, Italy (Moderator and speaker)</i> <i>Paul Gardner, United States of America</i> <i>Carlos Pinheiro-Neto, United States of America</i>
12.00 – 12.30 hrs.	Key note lecture - Updates in the Management of Skull Base Chordoma <i>Paul Gardner, United States of America</i> <i>Chair: Thijs Jansen, The Netherlands</i>

- 12.30 – 13.30 hrs. **Lunch**
- 13.30 – 15.00 hrs. **Round table session** – Carotid artery management in skull base surgery
Carl Snyderman, United States of America (Moderator and speaker)
 Introduction
Carl Snyderman, MD, MBA
 From Carotid Damage Back to Causes: How to Prevent
Davide Locatelli, Italy
 Management of Carotid Injury during Endoscopic Endonasal Surgery
Paul Gardner, United States of America
 ICA Manipulations in Anterior and Lateral Skull Base: Suggestions for a Safe Procedure
Giovanni Danesi, Italy
 Team Simulation for Carotid Artery Injury
Carl Snyderman, United States of America
 Revascularization Options for Carotid Replacement in Skull Base Tumors
Amir Dehdashti, United States of America
 Discussion
- 15.00 – 15.30 hrs. **Break**
- 15.30 – 17.00 hrs. **Round table session** – Chordomas
Wouter van Furth, The Netherlands (Moderator and speaker)
Shaan Raza, United States of America
Amir Dehdashti, United States of America
Damien Bresson, France
Omar Pathmanaban, United Kingdom
- Room Berlin/Copenhagen*
- 08.00 – 08.30 hrs. **Keynote lecture** - Endoscopic management of orbital lesions
John DelGaudio, United States of America
 Chair: *Max Keizer, The Netherlands*
- 08.30 – 10.00 hrs. **Free paper session 5 - Vestibular & General**
 Chair: *Thomas Linder, The Netherlands*
 Investigating the role of [18F]-FDG PET-imaging in the treatment of necrotizing external otitis
A. van Gestel
 Restoring vestibular function with a vestibular implant - Current challenges and an update on the second generation device
J. Stultiens
 Vestibular implantation and obstructions of the semicircular canals
J. Stultiens
 Vestibulocochlear implant (VCI) stimulation in bilateral temporal bone fractures to manage hearing loss and vestibulopathy: a case series
B. Vermorken
 Subtotal Petrosectomy in children: what can be learned from a multicenter study?
A. Fulcheri
 The effect of intratympanic gentamicin as a prehabilitation strategy for objective and subjective vestibular function in patients undergoing microsurgery for a unilateral vestibular schwannoma
C. Fuentealba Bassaletti

	Anatomical challenges of the extralabyrinthine approach for vestibular implantation <i>M. Senol</i> Necrotizing otitis externa: A New Protocol for outpatient management and reducing hospital stay <i>S.S. Hashmi</i>
10.00 – 10.30 hrs.	Break
10.30 – 12.00 hrs.	Round table session – Jugular foramen and craniocervical junction <i>Rupert Obholzer, United Kingdom (Moderator and speaker)</i> <i>Giovanni Danesi, Italy</i> <i>Tonny van Havenbergh, Belgium</i> <i>Ricardo Ramina, Brazil</i>
12.30 – 13.30 hrs.	Lunch
13.30 – 15.00 hrs.	Free paper session 7- Anterior/Central General <i>Chair: Georgios Zenonos, United States of America</i>
	Anatomical step-by-step dissection of complex skull base approaches for trainees: surgical anatomy of the microsurgical and endoscopic approaches to and through the orbit <i>Y. Alexander</i> Origin and course of the branches of the cavernous internal carotid artery from the endoscopic endonasal perspective: a cadaveric study <i>Y. Alexander</i> The Endoscopic Endonasal Surgery to The Lateral Compartment of Cavernous Sinus: Step-by-step Surgical Technique, Anatomical Considerations and Clinical Experience <i>G. Zenonos</i> Pushing the Limits of the Anterior Petrosectomy : Extension into the Clivus (Landmarks, Techniques and Limitations) <i>J. Justo</i> Minimally Invasive Lateral Orbitotomy Approach for Middle Fossa and Orbital Lesions <i>G. Zenonos</i> Cavernous sinus walls: an anatomical study of the dural layers <i>G. Zenonos</i> Optimizing neurovascular-protective transposition of the pterygopalatine fossa through orbito-ptyerygo-sphenoidal ligament release and descending palatine canal decompression: Anatomical principles and surgical strategies <i>Y. Alexander</i> Anatomical step-by-step dissection of complex skull base approaches for trainees: surgical anatomy of the endoscopic endonasal superior ethmoidectomy <i>Y. Alexander</i>
15.00 – 15.30 hrs.	Break
15.30 – 17.00 hrs.	Free paper session 9 - Tumor biology <i>Chair: Zdenek Fik, Czech Republic</i>
	Craniofacial Retraction Embryology: Beyond Cranial Base Evolution to the Power of the Mandible <i>A. Kunz</i>

Developmental gene expression in skull-base chordomas and chondrosarcomas

K. Hovinga

Genomics analysis reveals molecular patterns of tumorigenesis in HPV-associated and HPV-independent sinonasal squamous cell carcinoma

N. London

Patient-derived Vestibular Schwannoma explants: a 3D in vitro model.

J. Meijvogel

The Vestibular Schwannoma Tumor Slice Model for Pharmacological Testing

C. Matthies

Dinstinct gene expression in ten Vestibular Schwannoma tumors versus tumor-associated nerves

S. Leisz

Proteomic analysis of vestibular schwannoma

Z. Fik

Impact of immunomodulatory cytokines on tumor volume in sporadic vestibular schwannoma

S. Leisz

Room Rome

08.30 – 10.00 hrs.

Free paper session 6 – Oncology

Chair: Dominiek Monserez, The Netherlands

Two Decades of Skull Base Chondrosarcoma Management: Insights from Lariboisière Hospital

J. Chainey

Skull base chordomas and chondrosarcomas-long terms outcomes using 3600 approach and multimodal treatment

D. Stastna

Radiomics in prediction of histology of skull base chordomas and chondrosarcomas

D. Stastna

Cervical chordomas: results and factors influencing prognosis and survival in a single center case series.

R. Abbritti

11 cases of sinonasal intestinal-type adenocarcinoma with spontaneous regression

D. Monserez

Sinonasal, nasopharyngeal, upper oral and oropharyngeal cavity adenoid cystic carcinoma: an international multi-center retrospective study on 457 patients

G. Schiavo

Immunotherapy in the Management of Sinonasal Mucosal Melanoma: A Systematic Review

G. Choby

Pathologic Dural Invasion is Associated with Regional Recurrence in

Esthesioneuroblastoma: A Multi-Institutional Study

G. Choby

The Utility of lateral Temporal Bone Resection (LTBR) in locally advanced External Auditory Canal Carcinoma /VS concurrent chemoradiotherapy CCR: case report and litterature review

A. Talbi

10.00 – 10.30 hrs.

Break

- 10.30 – 12.00 hrs. **Round table session** – Treatment strategies for large or giant skull base meningiomas
Robert Behr, Germany (Moderator and speaker)
Ilhan Elmaci, Turkey
Gerasimos Baltsavias, Germany
Roland Goldbrunner, Germany
Stefan Grau, Germany
Lina-Elisabeth Qasem, Germany
- 12.30 – 13.30 hrs. **Lunch**
- 13.30 – 15.00 hrs. **Free paper session 8 - Anterior/Central General**
Chair: Maurizio Lacoangeli
- A case series of intracranial aneurysms treated via the extended endonasal corridor in a single center. Indications, outcomes, and technical considerations.
M. Karampouga
- A comparative study of six different transorbital approaches. Skull base exposure and qualitative traits.
M. Karampouga
- Transorbital Neuroendoscopic Surgery (TONES), the Latin American Experience. Indications Beyond tumoral pathology.
S. Gomez-Niebles
- Extended Endoscopic Endonasal Approaches for Traumatic or Inflammatory Lesions of C1-C2: Retrospective Analysis of a 10-Years Case Series
M. Lacoangeli
- The extended endoscopic endonasal transplanum optic canal decompression. Surgical technique in steps and anatomical considerations.
M. Karampouga
- 15.00 – 15.30 hrs. **Break**
- 15.30 – 17.00 hrs. **Free paper session 10 - Radiotherapy**
Chair: Cindy Nabuurs, The Netherlands
- Routinely postoperative radiotherapy for pT1- and pT2-classified Squamous Cell Carcinoma of the External Auditory Canal
C. Nabuurs
- Repeat gamma knife radiosurgery for trigeminal neuralgia.
D. Silva
- Cochlear-optimised treatment planning in photon and proton radiosurgery for vestibular schwannoma patients
K. Koetsier
- Tumour shrinkage and good facial nerve function after planned partial resection and Gamma Knife radiosurgery in Koos 4 vestibular schwannoma
M. Keizer
- Skull-Base Chondrosarcoma: A Systematic Review of the Role of Postoperative Radiotherapy
M. Keizer

Room Athens

- 08.30 – 10.00 hrs. **Round table – Accreditation**
Jörg Schipper, Germany (Moderator and speaker)
Carl Snyderman, United states of America
Ruediger Gerlach, Germany
Nick Thomas, United Kingdom
- 10.00 – 10.30 hrs. **Break**
- 10.30 – 11.15 hrs. **Basic instructional course ENT - Anterior skull base approaches: endoscopic approaches (indications/ approaches and surgical techniques/closure and reconstruction)**
Carl Snyderman, United States of America
- 11.15 – 12.00 hrs. **Public debate**
Treatment of orbito-sphenoidal meningioma with progressive vision loss
Jerome Waterval, The Netherlands (Moderator)
Sebastien Froelich, France
Inge Compter, The Netherlands
- 12.30 – 13.30 hrs. **Lunch**
- 13.30 – 14.15 hrs. **Basic instructional course ENT - Infratemporal fossa approach Types A-C: indications, approaches and how (not) do it**
Thomas Linder, Switzerland
- 15.30 - 17.00 hrs. **Round table - Lateral Skull base surgery - managing complications**
Jeroen Jansen, The Netherlands (Moderator and speaker)
The likelihood of surgical complications in comparison with other procedures
Romain Kania, France
Complications in lateral skull base operations
Goran Mrak, Croatia
Troubles and solutions for cochlear implantations
Thomas Linder, Switzerland
How to avoid facial nerve complications and how to manage it
Thomas Somers, Germany
Facial rehabilitation after iatrogenic palsy
Cristina Ciardiello, Italy
The non-technical skills in managing complications
Jeroen Jansen, The Netherlands

Friday 7 June 2024

Lobby North

07.30 – 18.00 hrs.

09.00 – 18.00 hrs.

Registration

Exhibition

Auditorium

08.00 – 08.30 hrs.

Keynote lecture - Surgical treatment of tumors extending across the ant skull base

Ben Panizza, Australia

Chair: Jerome Waterval, The Netherlands

08.30 – 10.00 hrs.

Clinical Pathway session – Paraganglioma (PGL)

Thijs Jansen, The Netherlands (Moderator)

08.30 - 09.00 hrs.

General information on epidemiology, tumor biology, and potentially medical/patient history

Angelika Albrecht, Germany

09.00 - 09.30 hrs.

Presentation of essential components in the process of gathering medical information and clinical examination during Outpatient Department (OPD) visits. à as described in Dutch Medical Guideline

Dirk Kunst, The Netherlands

09.30 - 10.00 hrs.

Available treatments, their outcomes, and the pros and cons of various treatment options

Giovanni Danesi, Italy

10.00 – 10.30 hrs.

Break

10.30 – 12.00 hrs.

Clinical Pathway session – Paraganglioma (PGL)

Thijs Jansen, The Netherlands (Moderator)

10.30 - 11.00 hrs.

Imaging, minimal imaging, and differential diagnosis based on imaging

Jeroen Jansen, The Netherlands

11.00 - 11.30 hrs.

Short-term and long-term outcomes, possibly including Quality of Life (QOL) – mainly focussing on cranial nerve preservation

Thijs Jansen, The Netherlands

11.30 - 12.00 hrs.

Case discussion

12.00 – 12.30 hrs.

Special topic lecture – *Trusting the machine? AI-assisted decision making in healthcare*

Anco Peeters, The Netherlands

Chair: Jolanda Derks, The Netherlands

12.30 – 13.30 hrs.

Lunch

13.30 – 15.00 hrs.

Clinical Pathway session – Malignancies of the anterior skull base

Jolanda Derks, The Netherlands (Organiser)

Ben Panizza, Australia (Moderator and Speaker)

SESSION 1 – CLINICAL ASPECTS AND TREATMENTS

13.30 - 13.40 hrs.

Introduction

Ben Panizza, Australia

13.40 - 13.55 hrs.

Diagnostic Evaluation of Nasal Masses

Eric Wang, United States of America

13.55 - 14.10 hrs.

Anterior Cranial Base Resections – ENT

Carlos Pinheiro-Neto, United States of America

14.10 - 14.25 hrs.	Anterior Cranial Base Resections – Neuro <i>Shaan Raza, United States of America</i>
14.25 - 14.35 hrs.	Reconstruction <i>Matthew Geltzeiler, United States of America</i>
14.35 - 14.45 hrs.	Quality of Life Outcomes in Anterior Skull Base Malignancy <i>Eric Wang, United States of America</i>
14.45 - 15.00 hrs.	Neoadjuvant therapy prior to definitive treatment <i>Ehab Hanna, United States of America</i>
15.00 – 15.30 hrs.	Break
15.30 – 17.00 hrs.	Clinical Pathway session – Malignancies of the anterior skull base <i>Jolanda Derks, The Netherlands (Organiser)</i> <i>Ben Panizza, Australia (Moderator and Speaker)</i>
	SESSION 2 – DISEASE SPECIFIC MANAGEMENT
15.30 - 15.35 hrs.	Introduction <i>Ben Panizza, Australia</i>
15.35 - 15.45 hrs.	SCC <i>Matthew Geltzeiler, United States of America</i>
15.45 - 15.55 hrs.	Adenocarcinoma <i>Eric Wang, United States of America</i>
15.55 - 16.05 hrs.	Olfactory Neuroblastoma <i>Carlos Pinheiro-Neto, United States of America</i>
16.05 - 16.15 hrs.	SNUC and its variants <i>Ehab Hanna, United States of America</i>
16.15 - 16.25 hrs.	Adenoid Cystic Carcinoma <i>Ben Panizza, Australia</i>
16.25 - 16.35 hrs.	Sinonasal Melanoma <i>Matthew Geltzeiler, United States of America</i>
16.35 - 17.00 hrs.	Cases
17.00 – 17.30 hrs.	General Assembly <i>Dirk Kunst, The Netherlands</i> <i>Davide Locatelli, Italy</i>
<i>Room Brussels</i>	
08.00 – 08.30 hrs.	Keynote lecture - Patient specific craniomaxillofacial reconstruction <i>Nils-Claudius Gellrich, Germany</i> <i>Chair: Yasin Temel, The Netherlands</i>
08.30 – 10.00 hrs.	Clinical Pathway session – Chordomas <i>Yasin Temel, The Netherlands and Sebastien Froelich, France (Moderators)</i>
08.30 - 09.00 hrs.	Epidemiology and clinical presentation <i>Eduard Voormolen, The Netherlands</i>
09.00 - 09.30 hrs.	Biology of chordoma <i>Yasin Temel, The Netherlands</i>
09.30 - 10.00 hrs.	Radiological characteristics of chordoma <i>Remco Santegoeds, The Netherlands</i>
10.00 – 10.30 hrs.	Break
10.30 – 12.00 hrs.	Clinical Pathway session – Chordomas

10.30 - 11.00 hrs.	<i>Yasin Temel, The Netherlands and Sebastien Froelich, France (Moderators)</i> Surgical anatomy of the chordoma <i>Necmettin Tanriover, Turkey</i>
11.00 - 11.30 hrs.	Surgical approach and outcomes <i>Sebastien Froelich, France</i>
11.30 - 12.00 hrs.	Panel discussion
12.00 – 12.30 hrs.	Keynote lecture - Limits of endoscopic skull base surgery <i>Sebastien Froehlich, France</i> <i>Chair: Yasin Temel, The Netherlands</i>
12.30 – 13.30 hrs.	Lunch
13.30 – 15.00 hrs.	Round table session – Facial nerve in skull base surgery <i>Luis Lassaletta, Spain (Moderator and speaker)</i> Facial and cochlear nerve preservation in large vestibular schwannoma surgery <i>Roy Daniel, Switzerland</i> Indications and outcomes of facial-hypoglossal nerve transfer for restoring longstanding facial nerve palsy following vestibular schwannoma resection <i>Gustavo Jung, Brazil</i> Facial nerve reinforcement in the APC <i>Jose Manuel Morales, Spain</i> Facial nerve schwannomas: a multicentric study <i>Thomas Somers, Belgium</i>
15.00 – 15.30 hrs.	Break
15.30 – 16.05 hrs.	Keynote lecture: Surgical anatomy of the anterior/central skull base <i>Maria Peris Celda, United States of America</i> <i>Chair: Thijs Jansen, The Netherlands</i>
16.20 – 16.55 hrs.	Keynote lecture - Surgical anatomy of the lateral skull base <i>Maria Peris Celda, United States of America</i> <i>Chair: Thijs Jansen, The Netherlands</i>
16.55 - 17.00 hrs.	Questions
Room Paris	
08.30 – 10.00 hrs.	Round table session – Rehabilitation of long-term facial paresis <i>Koen Ingels, The Netherlands (moderator)</i> Periorbital reconstruction in facial paralysis <i>Barbara Kofler, Austria</i> The role of contact lenses in patients with exposure keratitis due to facial paresis <i>Nienke Miltenburg-Soeters, The Netherlands</i> Side-to-end hypoglossal-to-facial transfer: Tips and Tricks <i>Jose Manue Morales, Spain</i> The role of combined nerve transfers in facial reanimation: The perspective of a Facial Nerve Unit <i>Luis Lassaletta, Spain</i> Combining static and dynamic reconstructions in facial palsy reconstruction: my approach <i>Stefania Tuinder, The Netherlands</i>

	The combination of ansa hypoglossi with the masseteric branch in facial reanimation surgery <i>Koen Ingels, The Netherlands</i>
10.00 – 10.30 hrs.	Break
10.30 – 12.00 hrs.	Round table session – Radiotherapy and various treatment modalities <i>Danielle Eekers, The Netherlands (Moderator and speaker)</i> Radiotherapy treatment of chordoma and chondrosarcoma, a team effort <i>Ida Coremans, The Netherlands</i> Meningeoma & radiotherapy, a good match? <i>Inge Compter, The Netherlands</i> Local control medium-large vestibular schwannoma <i>Daniele Borsetto, United Kingdom</i> State of the arts Radiotherapy modalities <i>Mirko Unipan, The Netherlands</i> Neurofibromatosis: to beam or not to beam <i>Martijn Broen, The Netherlands</i> Q&A during round table discussion <i>All speakers</i>
12.00 – 12.30 hrs.	Keynote lecture – Organization of head and neck oncology in The Netherlands <i>Robert Takes, The Netherlands</i> <i>Chair: Danielle Eekers, The Netherlands</i>
12.30 – 13.30 hrs.	Lunch
13.30 – 15.00 hrs.	Round table session – Intraoperative monitoring <i>Jörg Schipper, Germany (Moderator and speaker)</i> Cochlea nerve management in CPA tumors with different acoustic and anatomic profiles <i>Jörg Schipper, Germany</i> Facial nerve monitoring during VS surgery <i>Mark ter Laan, The Netherlands</i> Cochlea nerve monitoring and surgical management during VS surgery <i>Cordula Matthies, Germany</i> Cochlea nerve monitoring with the ANT electrode in VS surgery in patients with a complete hearing loss <i>Thomas Klenzner, Germany</i> Cochlea nerve monitoring with ABR and the ball electrode <i>Jan Cornelius, Germany</i>
15.00 – 15.30 hrs.	Break
15.30 – 17.00 hrs.	Round table session – Technical innovation in Skull base surgery <i>Daniele Borsetto, United Kingdom (Moderator and speaker)</i> Photogrammetry and AR - novel tools for Skull Base Surgery training <i>Jan Cornelius, Germany</i> New Ways to the Labyrinth - Robotic Assisted Cochlear Implantation <i>Thomas Klenzner, Germany</i> Mind the Gap: Bridging AI Technical Innovation into Clinical Impact <i>Stefan Cornelissen, The Netherlands</i>

Precision cochlear implantation
Vedat Topsakal

Room Berlin/Copenhagen

08.00 – 08.30 hrs. **Keynote lecture** – Adenocystic carcinoma of the temporal bone
Chunfu Dai, China
Chair: Thijs Jansen, The Netherlands

08.30 – 10.00 hrs. **Free paper session 11 – NF2/Other Schwannomas/QoL**
Chair: Daniele Borsetto, United Kingdom

Quality of life in surgically treated vestibular schwannoma patients
C. Matthies

update on functional results of microsurgery via the middle fossa approach in small vestibular schwannomas (VS)

M. Scheich

Health-related quality of life in patients with a stable or growing vestibular schwannoma managed by wait and scan or stereotactic radiosurgery

I. Pruijn

Longitudinal assessment of quality of life in patients with NF2-related schwannomatosis treated with Avastin

S. Mes

Efficacy of bevacizumab in patients with neurofibromatosis 2-related vestibular schwannomas

V. Koucký

Long-Term Tumour Control Rates in Vestibular Schwannoma Treated with Radiotherapy – a multi-centre, international study.

D. Borsetto

10.00 – 10.30 hrs. **Break**

10.30 – 12.00 hrs. **Round table session** – Large and giant vestibular schwannomas
Erik Hensen, The Netherlands (Moderator and speaker)
Tony Van Havenbergh, Belgium
Nick Thomas, United Kingdom
Lars Poulsgaard, Denmark

12.00 – 12.30 hrs. **Keynote lecture** – Neoadjuvant therapy for advanced sinonasal cancers
Ehab Hanna, United States of America
Chair: Martin Lacko, The Netherlands

12.30 – 13.30 hrs. **Lunch**

13.30 – 15.00 hrs. **Free paper session 13 - Imaging**
Chair: Patrick Langenhuizen, The Netherlands

The transposition of the V3 segment of the vertebral artery in the surgery of craniocervical junction: anatomico-radiological study and clinical implications.

S. Seriola

Automated measurement of vestibular schwannoma on MRI

O. Neve

Vestibular Schwannoma growth, comparison of volumetric analysis and linear measurements.

S.S. Hashmi

Defining tumor growth in vestibular schwannomas: a volumetric inter-observer variability study in contrast-enhanced T1-weighted MRI

S. Cornelissen

Long-term natural history and patterns of sporadic Koos grade 4 vestibular schwannomas: A single-institution volumetric analysis of 215 patients

S. Schouten

Dynamic-contrast enhanced and diffusion MR imaging for predicting short-term tumor growth of sporadic vestibular schwannomas: a prospective study

S. Schouten

Computer-aided prediction of short-term tumor growth in sporadic vestibular schwannomas using both structural and dynamic-contrast enhanced MR imaging

S. Cornelissen

Analysis of prognosis and influencing factors of 151 cases of external auditory canal cancer

W. Wang

15.00 – 15.30 hrs.

Break

15.30 – 17.00 hrs.

Free paper session 15 - General

Chair: Carl Snyderman, United States of America

The Inter-Maxillary-Mandibular Approach to the Upper Parapharyngeal Space: Anatomic Basis and Clinical Case

C. Snyderman

Introduction to the volume of operative manoeuvrability (VOM) as a novel metric in microneurosurgical anatomical research: toward a reproducible data-driven measurement perspective in complex skull base corridor computation.

L. Tariciotti

Introduction to the visuo-operative angle (VoA) as a novel parameter in microneurosurgical anatomical research: toward a reproducible data-driven measurement perspective in intraoperative microscopic and endoscopic visualization

L. Tariciotti

Multidisciplinary Treatment of Skull Base Pathologies: CMF-ENT-NSY Collaboration Experience of a New Center

C. Ciardiello

Deskeletonizing the sigmoid sinus is noncompulsory in skull base surgery: 3D modeling of the translabyrinthine approach

D. Samlal

Enhancing Neuroanatomical Dissection and Simulation Training Through Indocyanine Green Fluorescence in Embalmed Human Specimens: A Procedural Overview

L. Tariciotti

Room Rome

08.30 – 10.00 hrs.

Free paper session 12 – Anterior/Central/General

Chair: Stefan Linsler, Germany

Use of the Vascularized Lateral Nasal Wall Flap for Closure of Complex Skull Base Defects

C. Snyderman

Live Demonstration of Skull Base Surgery Performed by Visiting Surgeons at International Sites: Is It Safe?

C. Snyderman

Skull Base Neurosurgery in the Pediatric Population: A Single-Center Case Series

P. Gardner

Real-time evaluation of the vascular supply of the optic apparatus comparing indocyanine green video angiography in correlation to intraoperative visual evoked potential

S. Linsler

Suture as a reconstruction method for skull base after transnasal endoscopic surgery

J. Dominguez

Experience in the surgical treatment of patients with a diagnosis of Cushing's disease in cecanot relating to 12 cases

J. Dominguez

Safety and efficacy of intrathecal fluorescein administration for cerebrospinal fluid leak diagnosis in the sellar region

M. Marjanovic Kavanagh

The Coexistence of Carotico-Clinoid Foramen and Interclinoid Osseous Bridge: An Anatomico-Radiological Study with Surgical Implications.

S. Seriola

10.00 – 10.30 hrs.

Break

10.30 – 12.00 hrs.

Round table session – Petrous bone/ apex lesions

Maurizio Falcioni, Italy (Moderator and speaker)

Richard Irving, United Kingdom

Giuseppe De Donato, Italy

Andrew Fishman, United States of America

Thomas Somers, Belgium

12.00 – 12.30 hrs.

Keynote lecture – Pulsatile tinnitus

Patrick Axon, United Kingdom

12.30 – 13.30 hrs.

Lunch

13.30 – 15.00 hrs.

Free paper session 14 – Lateral/General

Chair: Jerome Waterval, The Netherlands

Cerebrospinal fluid leakage in lateral skull base: surgical approach and treatment strategy

H. Thomeer

Characteristics and clinical management strategy of petrous apex cholesterol granulomas

W. Szeweryn

Middle Cranial Fossa Approach: The Incudomalleolar Joint as a Reliable Landmark

S.S. Hashmi

Management and clinical outcomes of glomus jugulare with cervical extension: Our Institution's Experience

L. Tariciotti

Intracranial complications due to otogenic and sinogenic infections in pediatric cases

J. Waterval

360° to the petrous apex: comprehensive surgical anatomy and limitations of open and endoscopic endonasal approaches to the petrous apex

Y. Alexander

NIR indocyanine-white light overlay visualization mode for neuro-oto-vascular preservation in the anterior transpetrosal approach: technical note for tailored MDK rhomboid drilling

L. Tariciotti

15.00 – 15.30 hrs.

Break

15.30 – 17.00 hrs.

Free paper session 16 - Meningiomas

Chair: Goran Mrak, Croatia

Predictive factors for internal carotid narrowing in anterior clinoidal meningiomas: a retrospective study.

A. Moniakis

Stepwise differentiation of visual device in minimally invasive transcranial approaches for anterior skull base meningiomas.

N. Watanabe

3-D Printing for Customized Reconstruction in Spheno-Orbital Meningiomas

S. Seriola

Long-term Outcomes of Endoscopic Endonasal Resection for Tuberculum Sella Meningiomas: A Single-Center Study

P. Gardner

The experience with treating Diaphragma Sellae Meningiomas at the University of Pittsburgh Medical Center

G. Zenonos

Surgical management of tuberculum sellae meningiomas: single center experience of different surgical approaches

A. Naboichenko

A Systematic Comprehensive Classification for Skull Base Meningiomas

C. Hannen

Paradigm shifts in skull base meningioma treatment over the last five decades

G. Mrak

Endoscopic assisted microsurgical meningioma resection of the skull base via minicraniotomy: is there a difference of radicality and outcome between anterior skull base and posterior fossa?

S. Linsler

Room Athens

10.30 – 11.15 hrs.

Basic instructional course ENT - Anterior skull base approaches: open approaches (indications/ approaches and surgical techniques/closure and reconstruction)

Kyle Van Koevering, United States of America

11.15 – 12.00 hrs.

Public debate - NF2 vestibular schwannoma treatment

Jerome Waterval, The Netherlands (Moderator)

Gareth Evans, United Kingdom

Marcos Tatagiba, Germany

12.30 – 13.30 hrs.

Lunch

13.30 – 14.15 hrs.

Basic instructional course Neuro - vestibular schwannoma surgery (indications/ approaches and surgical techniques/closure and reconstruction)

Morten Lund-Johansen, Norway

Terje Sundstrøm, Norway

- 14.15 – 15.00 hrs. **Public debate** - Open versus endoscopic approach in anterior skull base surgery
Thijs Jansen, The Netherlands (Moderator)
Jan Cornelius, Germany (Panellist)
Martin Jurlina, Croatia (Panellist)
- 15.00 – 15.30 hrs. **Break**
- 15.30 – 17.00 hrs. **Round table** – Giant vestibular schwannomas: Management paradigms
Per Cayé-Thomasen, Denmark and Marcos Tatagiba, Germany (Moderators)
Radical Surgery is the best option for giant VS
Antonio Cerejo, Portugal
The pros & cons of staged surgery in giant VS
Cordula Matthies, Germany
Combined treatment (surgery & radiation) is the best option in giant VS
Roy Daniel, Switzerland
Management of giant VS after previous radiation
Gustavo Jung, Brazil
Combined treatment (bevacizumab + surgery) in giant NF2-associated VS
Martin Schuhmann, Germany
Quality of life in patients with giant VS
Zdenek Fik, Czech Republic

Saturday 8 June 2024

Lobby North

08.00 – 13.00 hrs.

Registration

09.00 – 13.00 hrs.

Exhibition

Auditorium

08.00 – 08.30 hrs.

Keynote lecture - Pros and cons in 2 and 3-D endoscopy with single- and binostral approach to the central skull base

Ruediger Gerlach, Germany

Chair: Max Keizer, The Netherlands

08.30 – 10.00 hrs.

Clinical Pathway session – Osteomyelitis of the skull base

Jerome Waterval, The Netherlands (Moderator and speaker)

08:30 – 08:55 hrs.

General Introduction on skull base osteomyelitis

Jerome Waterval, The Netherlands

09:00 – 09:25 hrs.

Radiology of skull base osteomyelitis

Lieke van der Meer, The Netherlands

09:30 – 10:00 hrs.

Follow-up imaging in skull base osteomyelitis

Cristina Mitea, The Netherlands

10.00 – 10.30 hrs.

Break

10.30 – 12.00 hrs.

Clinical Pathway session – Osteomyelitis of the skull base

Jerome Waterval, The Netherlands (Moderator and speaker)

10:30 – 11:00 hrs.

Treatment (considerations) of skull base osteomyelitis

Hassan Mohammed, United Kingdom

11:00 – 12:00 hrs.

Panel on recent advances in research & towards (inter)national guidelines

12.00 – 12.30 hrs.

Special topic lecture - These macarons look unbelievable tasty - Preventing and recognizing publication fraud

Marcel van der Heyden, The Netherlands

Chair: Jolanda Derks, The Netherlands

12.30 – 13.00 hrs

Wrap-up and farewell

Dirk Kunst, The Netherlands

Yasin Temel, The Netherlands

Room Brussels

08.00 – 08.30 hrs.

Keynote lecture - Endoscopic approach to giant pituitary adenomas

Davide Locatelli, Italy

08.30 – 10.00 hrs.

Round table session – Current management of Sino nasal malignancies

Ehab Hanna, United States of America (Moderator and speaker)

Sinonasal Malignancies: Evidence-Based Treatment and Molecular Advances

Nyall London, United States of America

Olfactory Neuroblastoma: Management and updated analysis of the multicenter clinical data

Matt Lechner, United Kingdom

Treatment Strategies for Recurrent Olfactory Neuroblastoma and Related Malignancy

Carl Snyderman, United States of America

Long Term Outcomes in Open versus Endoscopic Management of Sinonasal Malignancies with Skull Base Invasion: Is there True Equipose?
Shaan Raza, United States of America
The International Consensus Statement in Allergy and Rhinology: Sinonasal Tumors and How It Can Help Practice
Edward Kuan, United States of America

10.00 – 10.30 hrs. **Break**

10.30 – 12.00 hrs. **Round table session** – Anterior Skull base surgery - managing complications
Nick Thomas, United Kingdom (Moderator and speaker)
Paul Gardner, United States of America
Eric Wang, United States of America

Room Paris

12.00 – 12.30 hrs. **Keynote lecture** – Clinical and molecular features of NF2: results from UK patients
Andrew King, United Kingdom
Chair: Thijs Jansen, The Netherlands

Room Berlin/Copenhagen

08.00 – 08.30 hrs. **Keynote lecture** – Hearing preservation and rehabilitation surgery
Robert Behr, Germany
Chair: Jerome Waterval, The Netherlands

08.30 – 10.00 hrs. **Free paper session 17 – Video abstracts**
Chair: Noweed Ahmad, United Kingdom

Functional preservation surgery in Giant skull base cholesteatoma involving jugular foramen
S.S. Hashmi
Endoscopic Endonasal Clipping of Left carotid Cave Aneurysm
G. Zenonos
Minimally Invasive Lateral Orbitotomy for Resection of Trigeminal Schwannoma
G. Zenonos
Endoscopic-assisted anterior petrosectomy for a recurrent petrous chondrosarcoma in Ollier disease
J. Justo
Extra-axial hemangioblastoma of the cerebellopontine angle
L. Tariciotti
Transclival resection of petroclival chondrosarcoma
L. Tariciotti

10.00 – 10.30 hrs. **Break**

10.30 – 12.00 hrs. **Round table session** – Managing benign nasal tumours
Kyle van Koevering, United States of America (Moderator and speaker)
Inverting Papilloma
Matthew Geltzeiler, United States of America
When benign tumors go bad
Martin Jurlina, Croatia
Vascular tumors
Rienk Hoven, The Netherlands
Fibro-osseous tumors and case presentations
Kyle van Koevering, United States of America

12.00 – 12.30 hrs. **Keynote lecture** – Vestibular schwannoma
Morten Lund-Johansen, Norway
Chair: Jerome Waterval, The Netherlands

Room Rome

08.30 – 10.00 hrs. **Free paper session 18 - General**
Chair: Maria Karampouga, United States of America

Toward a new data-driven workflow to compute, compare and share anatomical metrics during microneurosurgical dissections: an open-source python library

L. Tariciotti

Application of internal carotid artery stent in skull base surgery

Z. Chen

Long-term results and technology-assisted presigmoid retrolabyrinthine approach for the treatment of medium to large vestibular schwannomas: our experience

D. Aiudi

A new streamlined grading system for the transverse, sigmoid and superior petrosal sinus configuration with possible outcome predictive value based on a preliminary case series.

M. Karampouga

A case report of *Canida Albicans* central osteomyelitis : The role of long term fluconazole therapy in association with surgical debridement

A. Talbi

Awareness of Skull Base pathologies in Emergency and Intensive Care physicians in Slovenia. A pilot study.

J. Urbancic

A challenging case of lateral osteomyelitis mimicking malignancy lesion : the utility of leucocytes scintigraphy

A. Talbi

Room Athens

08.30 – 10.00 hrs. **GSBS session**
Nils-Claudius Gellrich, Germany
Jörg Schipper, Germany

10.30 – 11.15 hrs. **Basic instructional course Neuro** – Pituitary surgery (indications/approaches and surgical techniques/closure and reconstruction)
Davide Locatelli, Italy

The topics

- Anterior/central skull base
- Lateral skull base
- Oncology
- Imaging & interventional radiotherapy
- Radiotherapy
- Basic science

Session types

- Special Keynote lectures
- Keynote lectures
- Clinical pathway sessions
- Round table sessions
- Public debates
- Instructional courses
- Free papers and posters

Invited faculty

Siviero Agazzi (US)
Noweed Ahmad (UK)
Angelika Albrecht (DE)
Patrick Axon (UK)
Gerasimos, Baltasvias (DE)
Robert Behr (DE)
Raymond van den Berg (NL)
Christian Betz (DE)
Daniele Borsetto (UK)
Damien Bresson (FR)
Martijn Broen (NL)
Michaël Bruneau (BE)
Tjasse Bruintjes (NL)
Per Cayé-Thomasen (DK)
Antonio Cerejo (PT)
Garret Choby (US)
Cristina Ciardiello (IT)
Inge Compter (NL)
Stefan Cornelissen (NL)
Ida Coremans (NL)
Jan Cornelius (DE)
Chunfu Dai (CN)
Francis Creighton (US)
Giovanni Danesi (IT)
Roy Daniel (CH)
Marc van Dijk (NL)
Giuseppe De Donato (IT)
Amir Dehdashti (US)
John DelGaudio (US)
Jolanda Derks (NL)
Danielle Eekers (NL)
Ilhan Elmaci (TR)
Gareth Evans (UK)
Maurizio Falcioni (IT)
Zdenek Fik (US)

Andrew Fishman (RS)
Dan Fliss (IL)
Sebastien Froelich (FR)
Wouter van Furth (NL)
Paul Gardner (US)
Nils-Claudius Gellrich (DE)
Mathew Geltzeiler (US)
Ruediger Gerlach (DE)
Roland Goldbrunner (DE)
Stefan Grau (DE)
Ehab Hanna (US)
Jose Hardillo (NL)
Tonny van Havenbergh (BE)
Erik Hensen (NL)
Marcel van der Heyden (NL)
Rienk Hoven (NL)
Koen Ingels (NL)
Paul Iske (NL)
Ine Israel (NL)
Richard Irving (UK)
Jeroen Jansen (NL)
Mark Janssen (NL)
Thijs Jansen (NL)
Martin Jurlina (HR)
Gustavo Jung (BR)
Romain Kania (FR)
Andrew King (UK)
Thomas Klenzner (DE)
Barbara Kofler (AT)
Edward Kuan (US)
Dirk Kunst (NL)
Mark Ter Laan (NL)
Patrick Langenhuizen (NL)
Luis Lassaletta (ES)
Matt Lechner (UK)
Thomas Lenarz (DE)
Thomas Linder (CH)
Michael Link (US)
Davide Locatelli (IT)
Nyall London (US)
Morten Lund-Johansen (NO)
Cordula Matthies (DE)
Cem Mecö (TR)
Lieke van der Meer (NL)
Dominiek Monserez (NL)
Jose Manuel Morales (ES)
Nienke Miltenburg-Soeters (NL)
Cristina Mitea (NL)
Hassan Mohammed (UK)
Goran Mrak (HR)
Fernando Muñoz-Hernández (ES)
Kazimierz Niemczyk (CZ)
Rupert Obholzer (UK)

Ben Panizza (AU)
Omar Pathmanaban (UK)
Maria Peris Celda (US)
Anco Peeters (NL)
Guy Petruzzelli (US)
Carlos Pinheiro-Neto (US)
Lars Poulsgaard (DK)
Ineke Pruijn (NL)
Lina-Elisabeth Qasem (DE)
Ricardo Ramina (BR)
Shaan Raza (US)
Shakeel Saeed (UK)
Remco Santegoeds (NL)
Jörg Schipper (DE)
Sebastian Schraven (DE)
Sammy Schouten (NL)
Martin Schuhmann (DE)
Jonathan Shapey (UK)
Carl Snyderman (US)
Thomas Somers (BE)
Liesbeth Spruijt (NL)
Maarten Steinbuch (NL)
Terje Sundstrøm (NO)
Robert Takes (NL)
Necmettin Tanriover (TR)
Marcos Tatagiba (DE)
Yasin Temel (NL)
Nick Thomas (UK)
Stefania Tuinder (NL)
Mirko Unipan (NL)
Kyle van Koevering (US)
Jeroen Verheul (NL)
Eduard Voormolen (NL)
Eric Wang (US)
Jerome Waterval (NL)
Samy Youssef (US)
Georgios Zenonos (US)