October 23\textsuperscript{rd}, 2017

137 Hands-on Course in LATERAL SKULL BASE SURGERY

October 23\textsuperscript{rd}-27\textsuperscript{th} 2017

GRUPPO OTOLOGICO
Piacenza – Rome
Italy
CASE #1 – Left IAC tumor

- **Age** – 59 years
- **Sex** – Female
- **History**
  - Mild left-sided HL and tinnitus in the last years
  - Dizziness/ vertigo
  - MRI: VS -> f/u
CASE #1 – Left IAC tumor

- Hearing tests
CASE #1 – Left IAC tumor

- Radiological investigation - MRI
CASE #1 – Left IAC tumor

- Surgery
  - Patient refused other management options
  - Patient refused simultaneous CI
  - Removal via enlarged left translabyrinthine approach with FN preservation (23/10/2017)

- Post-operative CT
CASE #2 – Right facial hemispasm

- **Age** – 62 years
- **Sex** – Female
- **History**
  - Hemifacial spasm since August 2016 (MRI)
  - Allergy reaction to carbamazepin
- **Hearing test**

![Hearing Test Diagram]
CASE #2 – Right facial hemispasm

- MRI
CASE #2 – Right facial hemispasm

- MRI
CASE #2 – Right facial hemispasm

- MRI
CASE #2 – Right facial hemispasm

- Surgery
  - MVD via right RS approach with Teflon sponge interposition
    (23/10/2017)

- Post-operative CT
CASE #3 – Right JF lesion

- **Age** – 44 years
- **Sex** – Female
- **History**
  - Progressive-onset of right HL, pulsatile tinnitus, spinning vertigo in the last 2-3 years
  - No other CN deficits
CASE #3 – Right JF lesion

- Otoscopy & Hearing test
CASE #3 – Right JF lesion

- Radiological investigation - CT
CASE #3 – Right JF lesion

- Radiological investigation - CT
CASE #3 – Right JF lesion

- Radiological investigation - CT
CASE #3 – Right JF lesion

- Radiological investigation - MRI
CASE #3 – Right JF lesion

- Radiological investigation - MRI
CASE #3 – Right JF lesion

- **Surgery**
  - Removal via right combined TLA-TA + IFT-A approach (23/10/2017)
  - (Patient refused other management options)

- **Post-operative CT**
October 24th, 2017

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October 23rd-27th 2017
GRUPPO OTOLOGICO
Piacenza – Rome
Italy
CASE #1 – Left JF meningioma

• **Age** – 27 years
• **Sex** – Female
• **History**
  - Progressive left-sided HL with tinnitus in the last years
  - Dizziness
  - Disphonia
CASE #1 – Left JF meningioma

• Hearing tests

• CN examination
  Incomplete left IX-X CNs palsy, normal VII-XI-XII
CASE #1 – Left JF meningioma

- Radiological investigation - CT
CASE #1 – Left JF meningioma

- Radiological investigation - MRI
CASE #1 – Left JF meningioma

- Radiological investigation - MRI
CASE #1 – Left JF meningioma

• Surgery
  - Removal via combined POTS-TLA approach (24/10/2017)

• Post-operative CT

![CT scan image]
CASE #2 – Residual Right IAC VS

- **Age** – 58 years
- **Sex** – Female
- **History**
  - 2007: suboccipital right IAC/CPA tumour
  - Post-operative VII grade-6 HB palsy, dead ear
  - Unsteadiness/dizziness
  - Headache
- **Hearing test**
- **CN examination:** Right VII CN palsy
CASE #2 – Residual Right IAC VS

- Radiological investigation - CT
CASE #2 – Residual Right IAC VS

- Radiological investigation - MRI
CASE #2 – Residual Right IAC VS

• Surgery
  - Residual tumour removal through enlarged TL approach (24/10/2017)
  - (Static FN reanimation surgery will follow)

• Post-operative CT
CASE #3 – Left IAC tumour

- **Age** – 44 years
- **Sex** – Female
- **History**
  - Incidental finding of left IAC tumour 1 year ago
  - No symptoms
- **Hearing tests**

![Graphs and charts related to hearing tests.](image)
CASE #3 – Left IAC tumour

- Radiological investigation - MRI
CASE #3 – Left IAC tumour

- **Surgery**
  - Removal via left RS-RL approach with cochlear nerve preservation (positive intra-op ABR, 24/10/2017)
  - (Patient refused other management options)

- **Post-operative CT**
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October 23rd-27th 2017
GRUPPO OTOLOGICO
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CASE #1 – Refractory MD

- **Age** – 59 years
- **Sex** – Male
- **History**
  - Diagnosed with right MD 10 yrs ago
  - 2014: ED, ES & meningeal decompression (other hospital)
  - 2016: intratympanic gentamicin
  - Frequent severe attacks (> 5/month)
CASE #1 – Refractory MD

- **Hearing tests**

- **Bedside examination**
  
  SpNy II -> left, patient refused full otoneurological assessment
CASE #1 – Refractory MD

- Radiological investigation - MRI
CASE #1 – Refractory MD

- Surgery
  - Right retrosigmoid vestibular neurotomy (25/10/2017)
- Post-operative CT
CASE #2 – Residual left PB tumour

- **Age** – 54 years
- **Sex** – Female
- **History**
  - 2016: left-sided CWD mastoidectomy (“glomo-angioma”)
  - 06/2017: STP (GO), uncertain histopathology
    - (“benign or low-grade, possible meningioma, hemangiopericytoma”)
  - Tinnitus disappeared after surgery
- **Hearing test**
CASE #2 – Residual left PB tumour

- Radiological investigation - CT
CASE #2 – Residual left PB tumour

- Radiological investigation - CT
CASE #2 – Residual left PB tumour

• Radiological investigation - MRI
CASE #2 – Residual left PB tumour

- Radiological investigation - MRI
CASE #2 – Residual left PB tumour

- Surgery
  - Residual tumour removal through modified IFT-B approach
  (25/10/2017)

- Post-operative CT
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October 23rd-27th 2017

GRUPPO OTOLOGICO
Piacenza – Rome
Italy
CASE #1 – Right LCN schwannoma

- **Age** – 41 years
- **Sex** – Male
- **History**
  - Since February 2017 recurrent severe headache (A&E)
  - Right XII CN palsy
  - CT/MRI
CASE #1 – Right LCN schwannoma

- **Otoscopy & CN**
  - Normal IX-X-XI
  - XII right CN palsy

- **Hearing test**
CASE #1 – Right LCN schwannoma

- Radiological investigation - CT
CASE #1 – Right LCN schwannoma

- Radiological investigation - MRI

[Images of MRI scans]
CASE #1 – Right LCN schwannoma

• Surgery
  - Removal via transcervical(-transmastoid) approach (26/10/2017)

• Post-operative CT
CASE #2 – Right growing CPA tumour

- **Age** – 40
- **Sex** – Female
- **History**
  - 2010: incidental finding of right IAC/CPA tumor
  - Wait & Scan till then
  - Progression of HL in the last year
  - Last MRI: tumour growth (6 mm → 2 cm extrameatal)
- **Hearing tests**
CASE #2 – Right growing CPA tumour

- Radiological investigation - MRI
CASE #2 – Right growing CPA tumour

• Surgery
  - Removal via right TLA-TA approach (26/10/2017)
  - (Patient refused other management options)

• Post-operative CT
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October 26th, 2017