

# Internal acoustic pathway

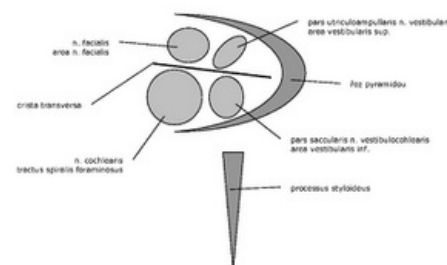
**The meatus acusticus internus** is the internal auditory canal passing through the os temporale . It begins in *the porus acusticus internus* . Its floor, *the fundus meatus acustici interni* , is divided into two floors by *the crista transversalis* . Each floor can be further divided into an anterior and posterior part, in which the fibers of the cranial nerves pass .

## Upper floor:

- **front part** – *area nervi facialis* , the facial nerve passes here
- **back part** – *area vestibularis superior* , the *utricle* part of the vestibular nerve passes here

## Lower floor:

- **anterior part** – *tractus spiralis foraminosus* for fibers of the cochlear nerve
- **back part** – *area vestibularis inferior* , the saccular part of the vestibular nerve passes through this



Fundus meatus acustici interni – schematic view of the right meatus from the inner back

## Links

## External links

- HORKÝ, Drahomír – NOVÁKOVÁ, Květoslava. *Morfologie orofaciálního systému pro studenty zubního lékařství* [online] . 2. edition. Publikováno online. 2011. Available from <<https://mefanet.upol.cz/clanky.php?aid=58>>. ISBN 978-80-244-2702-7.

## References

- ČIHÁK, Radomír – GRIM, Miloš. *Anatomie*. 2. edition. Praha : Grada Publishing, 2001. 497 pp. vol. 1. ISBN 80-7169-970-5.
- ČIHÁK, Radomír – GRIM, Miloš. *Anatomie*. 2., upr. a dopl edition. Praha : Grada Publishing, spol. s. r. o, 2004. 673 pp. vol. 3. ISBN 80-247-1132-X.
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