

Hair Cells

ORGAN OF CORTI

- Outer hair cells: columnar cells arranged in 3 rows
 - Inner hair cells: flask-shaped cells, arranged in 1 row
 - Their bases have afferent nerves that synapse e bipolar nerve cells of spiral ganglion
- Axons of bipolar nerve cells form cochlear nerve
- Have stereocilia

MACULAE OF UTRICLE & SACCULE:

- Type I (Flask-shaped)
- Type II (cylindrical-shaped)
- both cell types are surrounded at their base with afferent fibers of vestibular nerve
- Have one kinocilium and several stereocilia
- Embedded in Otolithic membrane

CRISTA AMPULLARIS

- Type I (flask-shaped) & Type II (columnar) cells
- Their bases surrounded with afferent fibers of vestibular n
- Embedded in Cupula
- Have one kinocilium and several stereocilia

