

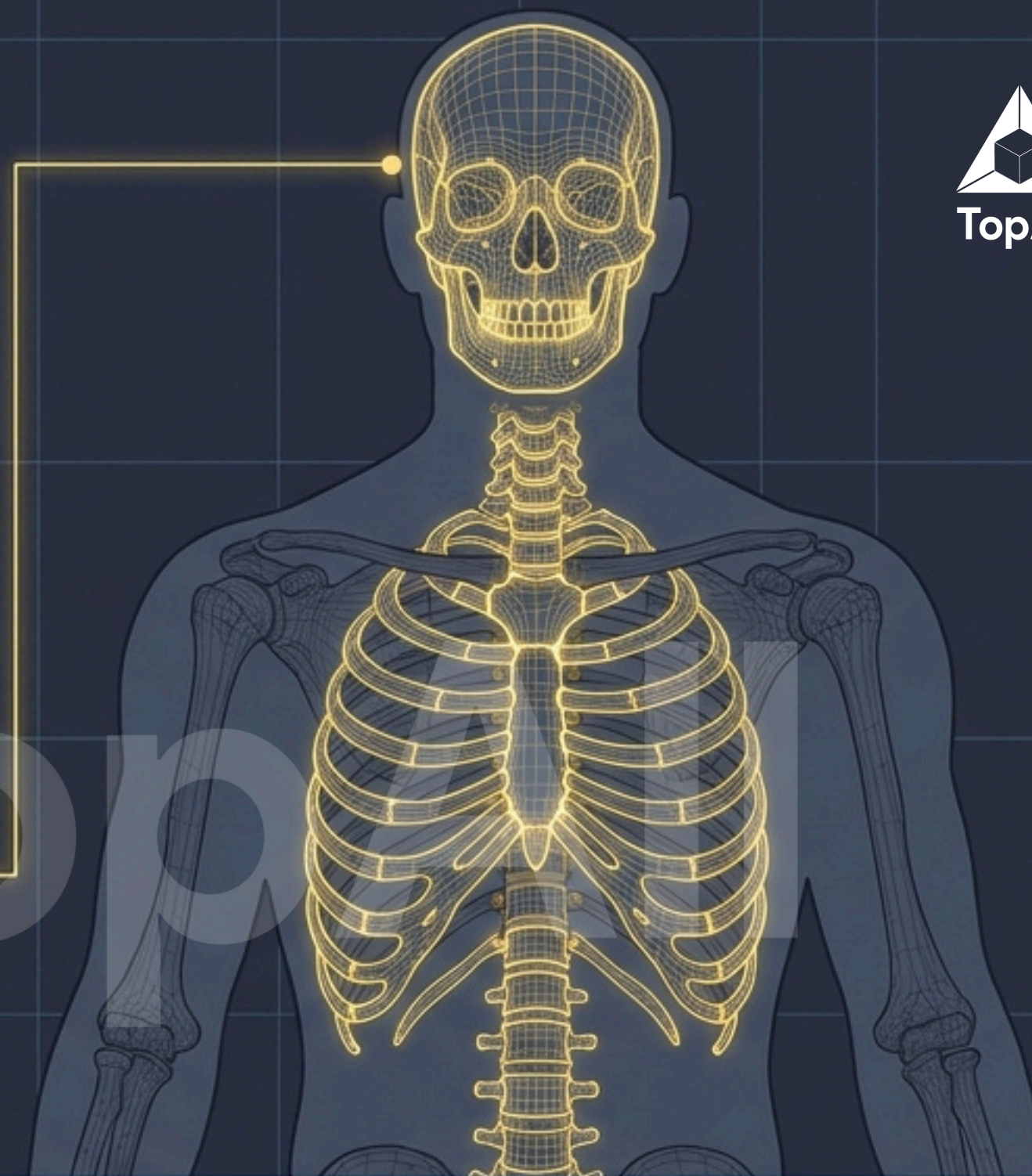
The Skull: Protection and Support

An architectural breakdown of the human head.

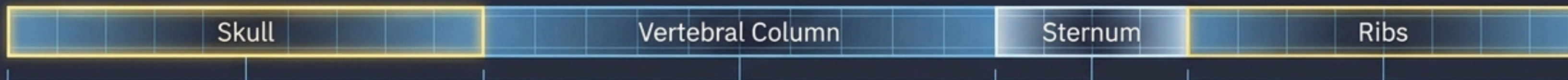


The Central Axis: 80 Bones

The Axial Skeleton comprises the main axis of the body. It operates as the primary structural core, housing the central nervous system and vital organs.



Axial Component Breakdown



The Skull Breakdown: 22 Bones



22 Total Skull Bones

8 Cranial Bones

14 Facial Bones





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Key Highlights

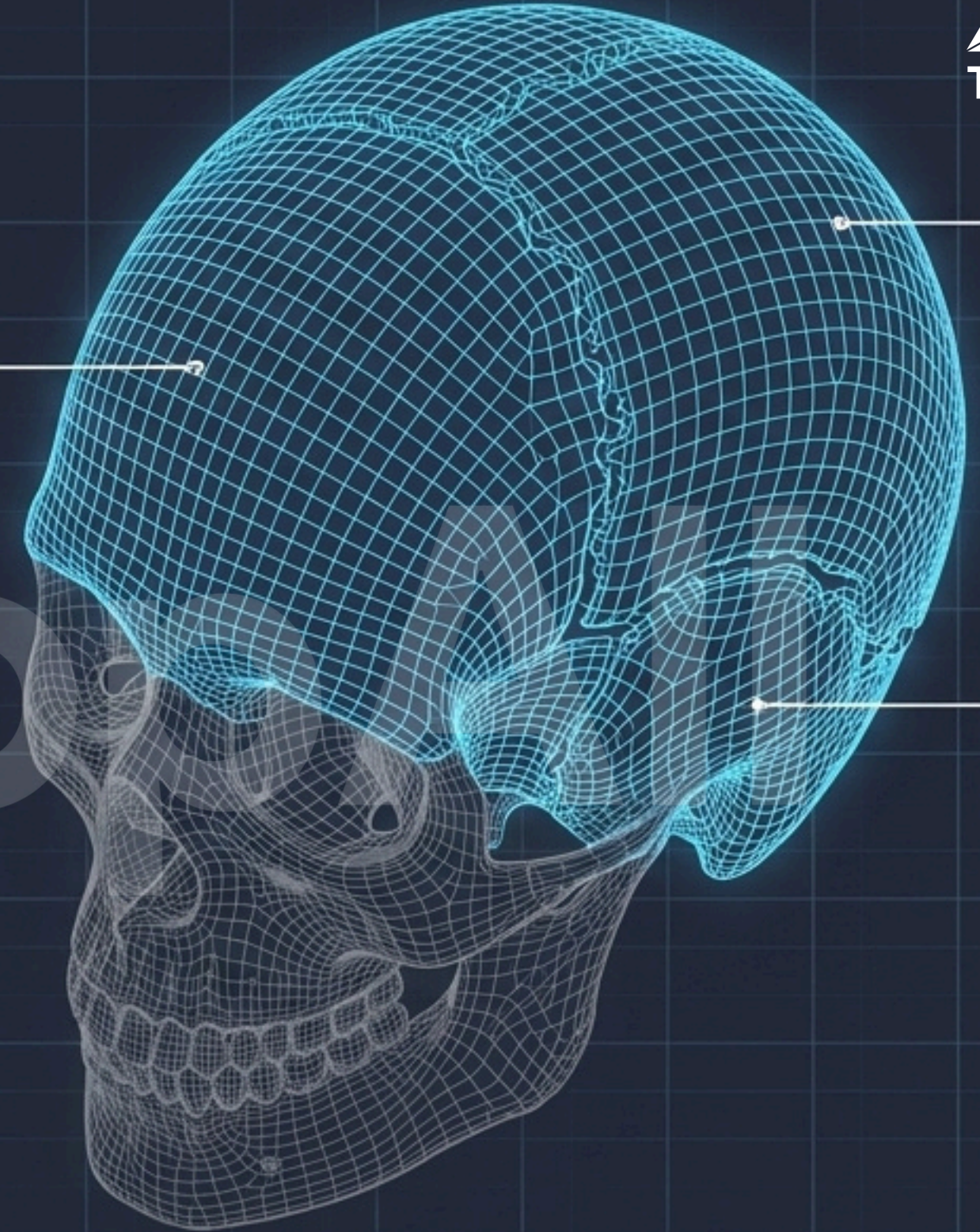
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The Brain Shield: 8 Cranial Bones

Total Count: 8

These interlocking plates form the hard, protective outer covering (the cranium) designed exclusively to house and defend the brain.





The Structural Front: 14 Facial Bones

Cranial Bones

Count: 8

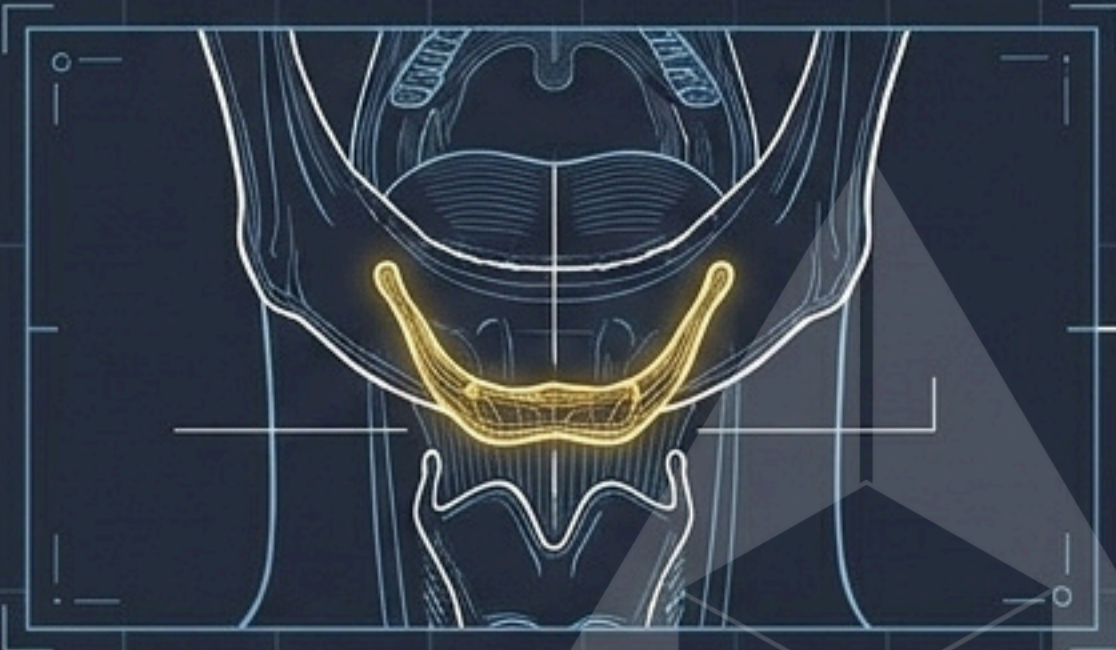
Primary Role: Encasing
& Protecting the brain.

Facial Bones

Count: 14

Primary Role: Forming
the front structure of
the skull, providing the
framework for sensory
organs and the jaw.

The Hidden Elements



Hyoid Bone

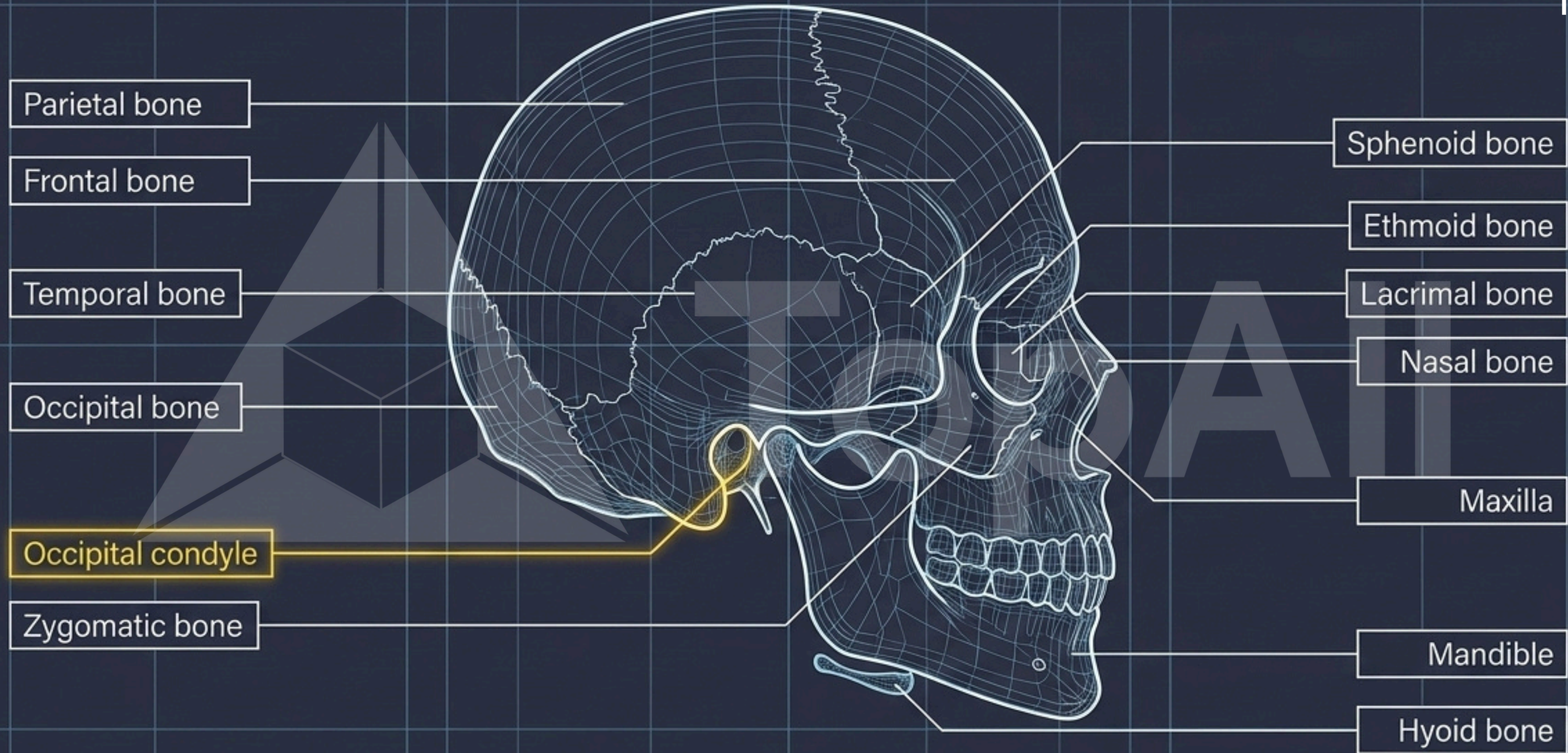
A single, U-shaped bone located at the base of the buccal cavity. It is completely isolated and suspended in place.



Ear Ossicles

Each middle ear houses three tiny, specialized bones functioning as mechanical transmitters: the Malleus, Incus, and Stapes.

Master Anatomy Map (Lateral Profile)

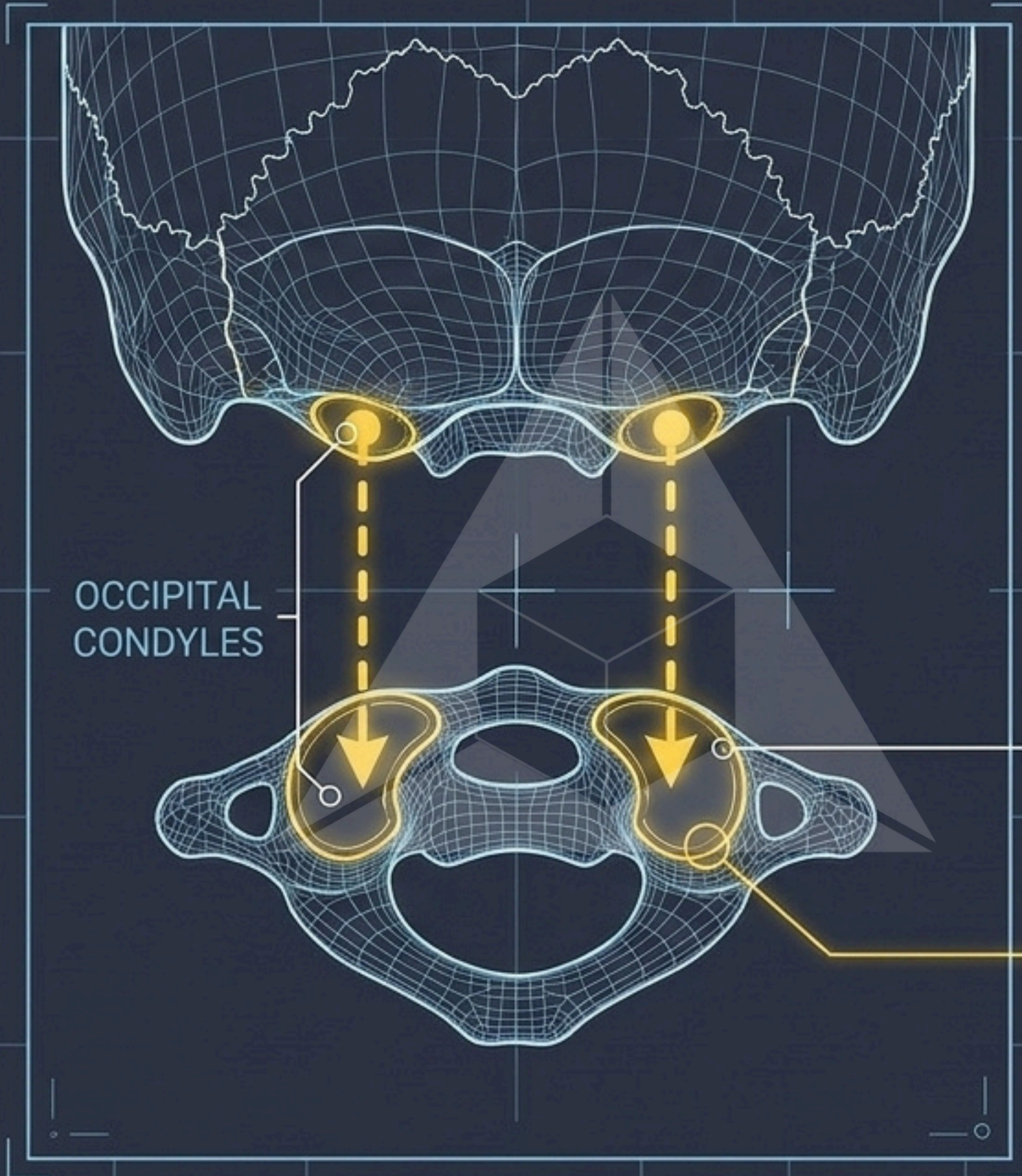


Key Takeaway: The Dicondylic Articulation

The human skull articulates with the superior region of the vertebral column (the first vertebra, the atlas) using two occipital condyles.

MECHANICAL INSIGHT:

This 'dicondylic skull' mechanism acts as a vital dual-hinge, providing both supreme stability and precise mechanical control for head movement.





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