

BONES

AXIAL
APPENDICULAR
SPONGY BONE
COMPACT BONE

LIŠANENTI

THE END

FUNCTION OF BONES(S)

TYPES OF BONES (4)

- LONG BONE
- FLAT BONE
- IRREGULAR BONE
- SHORT BONE

JOINTS = ARTICULATIONS

- SYNOVIAL joints
- HINGE JOINT
- BALL & SOCKET
- GLIDING / PLANE
- CONDYLOID
- PIVOT

JOINT MOVEMENT

- FLEXION
- EXTENSION
- ADDUCTION
- ABDUCTION
- ROTATION
- ELEVATION
- DEPRESSION
- SUPINATION
- PRONATION
- INVERSION
- EVERSION
- DORSIFLEXION

PLANTAR FLEXION CIRCUMVENTION

206 POWER

- ☐ AXIAL
- ☐ SKULL
- ☐ Rib-pair 3-
- ☐ VERTEBRA

ADRENAL MEDULLA
UPPER 1/3 LONGER OF 2/3

- CONNECTS BONE TO BONE
- ATTACH MUSCLE TO BONE

FUNCTION OF BONES

- ↳ FORM & STRUCTURE
- ↳ PROTECTION & SUPPORT
- ↳ LEVERS FOR MOVEMENT
- ↳ **HEMOPOLYMERIS**
- ↳ STORE MINERALS (CALCIUM & PHOSPHORUS) & ENERGY RESERVES

DYNAMIC!

- lengthier than width (PELVIS, HUMERUS, RADIUS, ULNA, TIBIA, FIBULA)
- "FLAT" (PARIETALS, CORPUS, STERNUM, RIBS)
- "IRREGULARLY" (mandible) → COMPLETELY FLAT (vertebrae, scapula)
- about as long as they are wide (CARPALS, TARSALS, METALS)
- **reverted** (reverted ^{from original} "METAL" (metacarp))
 - they grow, send in formation of new matter

→ PLACE OF CONTACT between BONDS

→ **PIA's THEOREM** - purely moralistic

HINGE joint

— *Chilodactylus*

BALL-and-SOCKET

- Stages of growth
- What affects growth?

100

PLANE
EQUATION

- > **unintentional**
- > **conscious**
- > **involuntary**

100

1000

SADDLE *jaimé*
(C) Harkness and Co.

- ONLY two really joint is
- CARPUS & CARPAL joint (wrist)

... ..



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PLANTAIN
FLEETON



but also how

ial to iden

SUMMARY: Bones of the skeletal system are not only for form and structure but also have functions that make them DYNAMIC. The types and classification of bones are essential to identify and understand its connections to joints, and movements. **#SHAPE determines FUNCTION.**

A P Bone Study Guide

Herbert Levin



A P Bone Study Guide:

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