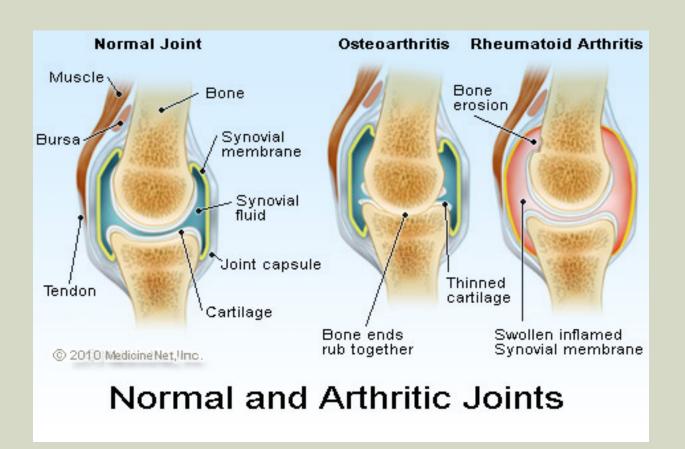
SKELETAL SYSTEM: DISEASES AND ABNORMAL CONDITIONS



ARTHRITIS

INFLAMMATION IN THE JOINT

CAN BE VERY DISABLING

CAUSES:

- WHERE ON CARTILAGE
- INJURY
- DECREASED FLUID IN JOINT

BURSITIS

- INFLAMMATION IN THE BURSA SAC
- SEVERAL BURSA
 SACS LOCATED
 AROUND EACH JOINT
- **CAUSED BY:**
 - DIRECT CONTACT
 - FRICTION FROM A TENDON



BURSITIS

CAN ALSO BE CAUSED BY INFECTION



FRACTURES

- VARIOUS TYPES OF FRACTURES
- TWO MAJOR
 CLASSIFICATIONS:
 - OPEN
 - CLOSED

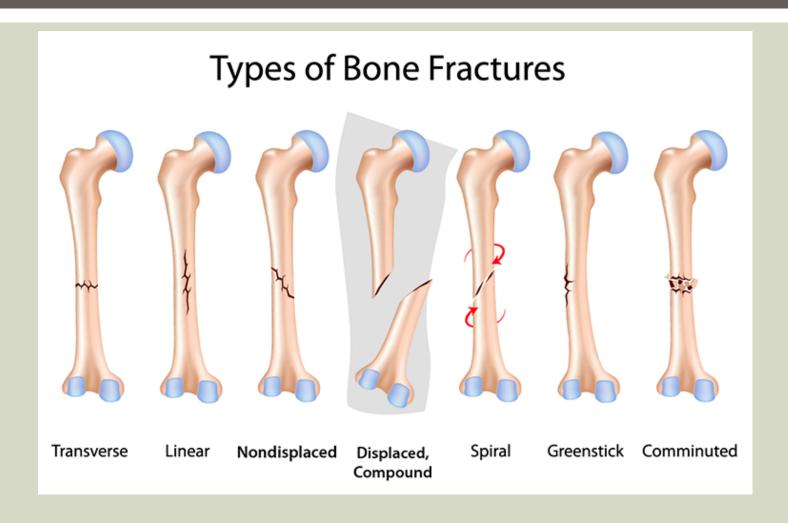
- TYPES OF FRACTURES:
 - **SIMPLE:**
 - COMPLETE: CLEAN (NO SEPERATION)
 - INCOMPLETE: GREENSTICK
 - COMPOUND: SEPERATED WITH EDGES
 - COMMINUTED: MULTIPLE PIECES

OPEN VS. CLOSED

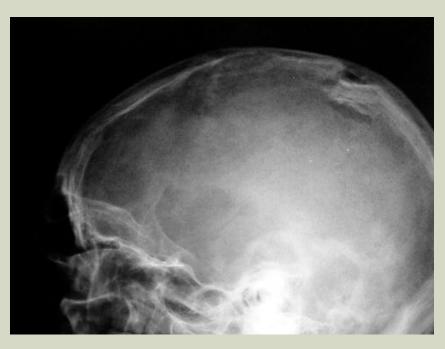




FRACTURES



FRACTURES: A FEW OTHERS





DISLOCATION

- DISLOCATION: WHEN THE BONE ENDS SEPARATE AND COME OUT OF JOINT AND STAY OUT OF JOINT
- **CAUSES:**
 - DIRECT CONTACT
 - FALLING ON AN OUTSTRETCHED ARM

SUBLUXATION: WHEN THE BONE ENDS SEPARATE AND COME OUT OF JOINT BUT RELOCATE ON THEIR OWN

SAME CAUSE AS DISLOCATION: DEPENDANT ON THE FORCE

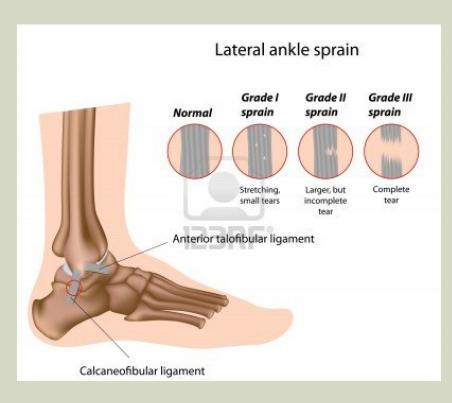
DISLOCATION/SUBLUXATION



SPRAIN

- OCCURS WHEN THE JOINT IS PUSHED PAST ITS NORMAL RANGE OF MOTION (ROM)
- STRESS OCCURS WHERE THE LIGAMENT IS ATTACHED
- THIS CAUSES PARTIAL OR FULL TEARING OF THE LIGAMENT
- CAUSES:
 - DEPENDS ON THE JOINT: TERMS RELATE TO EACH JOINT
 - STRESS OCCURS FROM THE OUTSIDE OR INSIDE OF THE JOINT

SPRAIN



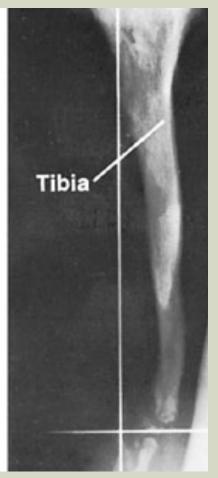


OSTEOMYELITIS

- INFECTION IN THE BONE
- **CAUSED BY:**
 - BACTERIA
 - CAN BE CAUSED BY FUNGI AND OTHER FOREIGN SUBSTANCES

OSTEOMYELITIS



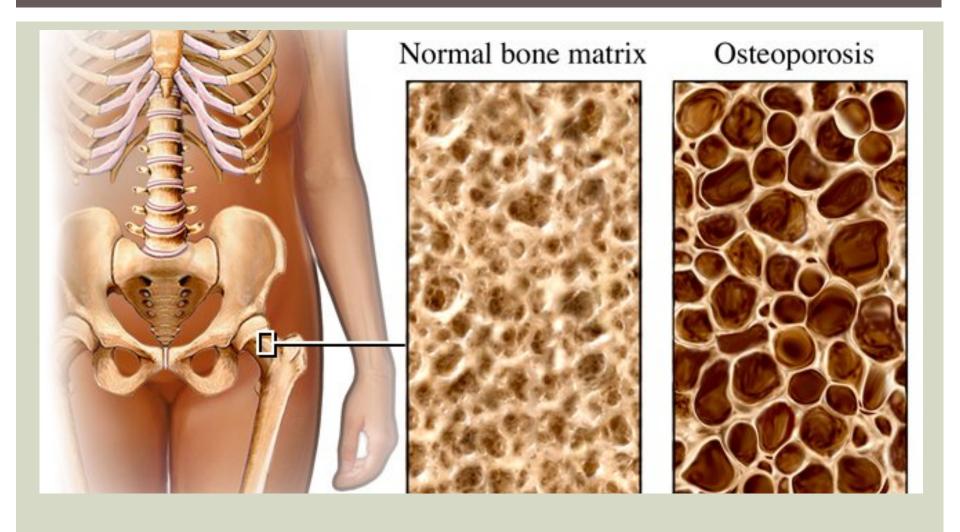




OSTEOPOROSIS

- DECREASE IN BONE DENSITY
- DUE TO LACK OF CALCIUM PRODUCTION
- LACK OF PRODUCTION IS CAUSED BY MANY THINGS
- PRIMARILY:
 - AGING
 - DECREASE OF HORMONES
 - IMPROPER NUTRITION: EATING DISORDERS

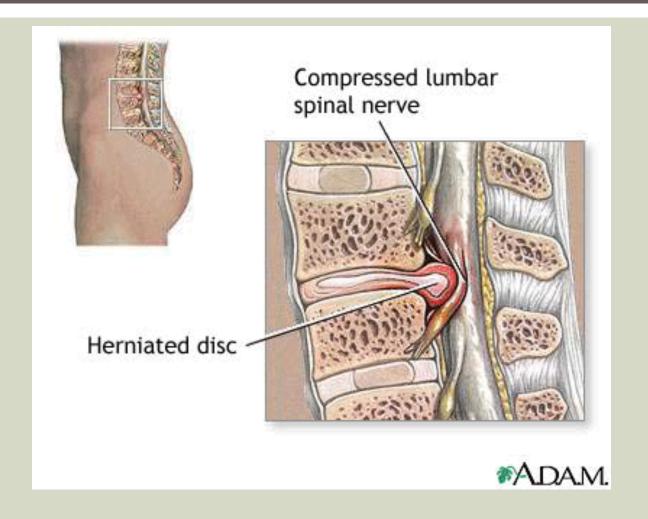
OSTEOPOROSIS



RUPTURED DISC

- When intervertebral discs are damaged by:
- Injury, disease, or normal wear and tear
- Associated with aging
- They may bulge or rupture, becoming a herniated disc (sometimes called a slipped or ruptured disc).

RUPTURED DISC

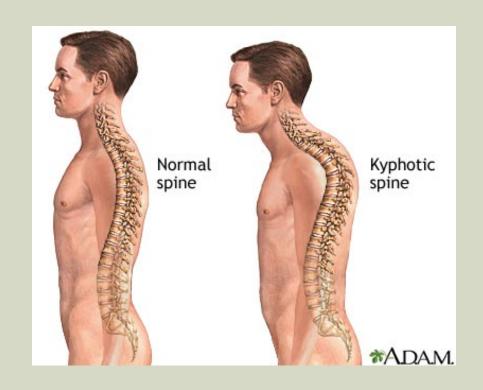


SPINAL DEFORMITIES

- Abnormal curvature of spine
 - Kyphosis
 - Scoliosis
 - Lordosis

KYPHOSIS

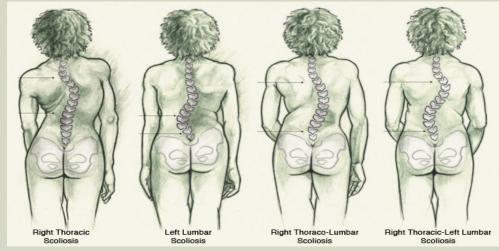
- FORWARD ROUNDING OF THE THORACIC SPINE
- SOMETIMES CALLED ROUNDBACK OR HUNCHBACK
- **CAUSES:**
 - OSTEOPOROSIS: AGING
 - BIRTH DEFECT
 - CANCER OR CANCER TREATMENT
 - DISK DEGENERATION



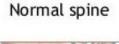
SCOLIOSIS

SIDEWAYS
CURVATURE OF THE
SPINE

- CAN AFFECT THORACIC AND LUMBAR SPINE
- S-SHAPED
- OR C-SHAPED
- **CAUSES:**
 - IDIOPATHIC: UNKNOWN

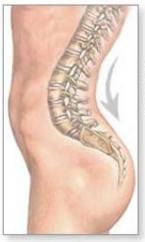


LORDOSIS





Lordosis of the spine



Exaggerated lumbar curve

- WHEN THE SPINE CURVES TOO FAR INWARD IT IS CALLED LORDOSIS OR SWAYBACK
- **CAUSES:**
 - OSTEOPOROSIS
 - SPONDYLOLISTHESIS
 - OBESITY