Lesson Plan: Medical Terminology, Anatomy, Physiology

1. Motivate
   - TERMINOLOGY: FOR COMMUNICATION WITH MDs, RNs, etc.
     * FOR LEARNING MORE ADVANCED KNOWLEDGE & SKILLS
     * BECAUSE LANGUAGE MATTERS THINKING
     * EMTs ARE SUPPOSED TO BE MEDICAL PROFESSIONALS
   - Anatomy & Physiology:
     * FOR COMMUNICATION
     * SPACE TO REMEMBER THINGS YOU DON'T KNOW.
     * E.G.: ABDOMINAL PAIN, SICK WHITE/YELLOW STICKY
     => LIVER? => RENAL? => PRECAUTIONS

2. Medical Terminology
   - Made from parts
     (Give examples) (Quiz students)
   - Abbreviations
     * IN RECORDS
     (Give examples) * Evol Ratio
     (Occupation Mod. Note) * Read your records

3. General and Topographic Anatomy
   - Standard Position
     Head/Neck/Thorax/Abdomen/Extremities
     Bil. Symmetric Medial/Lateral (Midgutal)
     Extremities: Digital/Proximal
     (Ventral/Dorsal)
     Anterior/Posterior
     Superior/Inferior
     (Cephalic/CAUDAL)
     (Palmar/Plantaar)
   
     E.J. Abduction/Adduction
     Flexion/Extension
     Rotation (Lateral, Medial)
     Extremities: Upper Arm, Forearm, Thigh
The Head

CRANIAL/FACE (TRANSVERSE PLANE TRAUMA)

OCCIPUT; TEMPLI; (TEMPORAL REGION); PARIETAL; (TEMPORAL ARTERY)

ORBIT (SUBPECT EYE, "BLowOUT")

MAXILLA (V/INJURY), MANDIBLE; TEMPORAL-Temporal Branch (SURAL IMPACT)

NOSE (DIAGNOSIS? CONTINUE?) CSF (SHORT TUBES? WX-?)

Ear (ALL CASES)

TRAGUS > PINNA

MASTOID (BATTLE SIGN)

Brain: Cerebrum, Cerebellum, Pineal, Hypophysis, Spinal Cord, Tentorium

The Neck

LARYNX (TOP OF THROAT)

CARTILAGE CARTilage CLEITHROID PERIARTERIAL

TRACHEA CARTilage (EOPIRHOS, CHICKEN BONE)

THYROID GLAND (GROWTH, TEMPERATURE)

C-SPINE [?]

Thorax

Cavity Contents:

LUNGS IN PLEURAL CAVITY, LINED BY PLEURAL MAMBRANES (?)

MEDIASTINUM: HEART IN PERICARDIAL SAC, TRACHEA,

ESOPHAGUS (WHILE IN FRAME?), THYMUS, GREAT VESSELS

(ARTERIES, VENOUS VENA CAVA), DIAPHRAGM

12 RIBS & VERTEBRAE (BOTTOM 2 Ribs, Floating)

Costal Arch (Costo-vertebral Arch) => STOMACH (MAMMARY, BODY, RIB)FID, JUGULAR (SUBCLAVIAL VEIN)

INTERCOSTAL MUSCLES (DIAPHRAGM) FOR BREATHING

Ribs and Neurovascular Bundle Location

Abdomen

Body: Quadrants (Umbilical) (ANT. SUP. INN. CROSS) (SYMPATHETIC Plexus)

RUQ: LIVER, Gallbladder (Colon) => [PANCREAS] [KIDNEYS]

LUQ: STOMACH, SPLEEN (Colon)

RLQ: Colon, Appendix

LLQ: Rectum (Colon)

Pelvis

Genitalia
LOWE EXTREMITY

HIP \rightarrow JOINT (GREAT TOチェンジャー) COMPAR "BUNGS" BILATERALLY

ACETABULUM; FEMUR; STRONG MUSCLES; CONDYLEs

PATELLA (IN TENDON OF QUADRICEPS FEMORIS \rightarrow EXTENSION OF KNEE)

DISLOCATION \& FORCED FLEXION

TIBIA/FIGURA \& MEDIAL/LATERAL MALLEOLI

90° FLEX \& HEAD OF FIGURA (PERONEAL N. \& DOBS; FLEXION \& EVERSION AT ANKLE)

(PERONEAL N. WITH FIGURA FX.

Talus

Fx \& SHORT, EXT. ROTATOR

Disloc \& SHORT, INT. ROTATION WITH?

SHOULDER

CLAVICLE (ANTIULNARI IN SCAPULAR T ACROMION PROCESS OF SCAPULA)

SCAPULA (GLOUD PROCESS ACROMION W/ HEAD OF HUMERUS) (FX \& TRAUMA) (KNOCKED DOWN)

HUMERUS (BONE N/\& ODOSSE (INVERSION)

MEDIAL EPICONDYLE ULNAR; ABOVE ADDUCTION OF FINGERS

ANTECUBITAL FOSSA

ULNAR/RADIAL STYLED PROCESS

MEDIAN N. (ANT. ELBOW)
3 Urinary System

KIDNEYS: FILTRATION, REABSORPTION, SECRETION
ERYTHROPOIETIN, ANGIOTENSIN, RENIN, KIDNEY STONES
(CALCIUM)
URINES
BLURPS: CAN PRODUCE ABOVE SYMPHYSIS PUBIS WHEN FULL.
URINATION

4 Digestive System

MOUTH: SALIVARY GLANDS, TONGUE → LYMPHATIC SYSTEM
ESOPHAGUS: VOLUNTARY/INVOLUNTARY
STOMACH: H+ PUMP, PEPSEIN, PROTEIN CHANGING
DUODENUM: PANCREAS, BILE, TRYPsin, CUSHING PAIN
BILF: DROP RBCs, FAT INFLAMMATION, GASTROSTOMY
LIVER: REGULATION, POROSITY, IVUS
INTESTINES: ABSORPTION, YELLI LYMPHATICS
HORATI POUCH: VN: LIVER DETOXIFICATION, GLUCONE
VERMIFORM: CIRCUMJUNCTION: BILE, BLOOD, PANIN BLOOD
APENDIX: LYMPHATIC, BACTERIAL, PIONA STENTS
COLON: WATER ABSORPTION.

6 Reproductive System

MALE
- MALE GLANDS: TESTICLES, SPERM, HORMONES (SURGERY PUT T0)
- DUCT "7" LONG, ON TOP GENITAL POUT
  TO URINATION
- ACCESSORY GLA