

OOORA→

- **Radiology, gastrointestinal endoscopy, Cath Lab**
- **Anesthesia for electroconvulsive therapy (ECT)**
- **Conscious sedation and MAC**
 - ASA guidelines and monitoring standards for sedation, sedation classification (minimal sedation/moderate sedation/deep sedation/MAC anesthesia vs. general anesthesia), modified Ramsay score
 - Airway obstruction during sedation:
 - Detection and management
- **EGD, ERCP, colonoscopy**

REGIONAL→

Local Anesthetics

- **Indications and contraindications, mechanism of action, biotransformation and excretion, potency and prolonged action**
- **Toxicity:**
 - CNS (seizures, cauda equina syndrome, transient neurologic symptoms)
 - Cardiac
 - Allergic
 - Preservatives
 - Allergic reactions
 - Methemoglobinemia
- **Onset and duration, ionization, lipid solubility, pKa**

Chronic And Acute Pain Management

- **Differential blockade**
- **Types of pain (nociceptive, non-**

nociceptive, somatic, visceral, sympathetic, reflex sympathetic dystrophy, neuropathic, allodynia, dysesthesia, phantom limb, psychogenic, hyperalgesia) and common treatments

- **Opioids for chronic pain management**

Peripheral Nerve Blocks

- **Autonomic:**
 - Stellate ganglion
 - Celiac
- **Head and neck:**
 - Cervical plexus
- **Upper extremities:**
 - Brachial plexus (interscalene, anterior suprascapular, supraclavicular, infraclavicular, axillary)
 - Musculocutaneous
 - Intercostobrachial
 - Wrist (radial, ulnar, median)
 - Digital blocks
- **Torso:**
 - Transversus abdominis plane (TAP)
 - Quadratus lumborum
 - Rectus sheath
 - Ilioinguinal
 - Iliohypogastric
 - Intercostal
 - Paravertebral
 - Serratus plane
 - Pectoralis blocks
- **Hip and lower extremities:**
 - Fascia iliaca
 - Femoral
 - Sciatic (transgluteal &

- popliteal approaches)
- Saphenous (adductor canal)
- Single puncture dual injection (SPEDI)
- Infiltration between popliteal artery and capsule of the knee (IPACK)
- Ankle blocks
- **IV regional anesthesia**
- **Nerve stimulator equipment:**
 - Insulated vs. bare needles
 - Threshold current
 - Short bevel vs. long bevel needles
- **Contraindications to peripheral nerve blocks**

NEURAXIAL BLOCKS

- **Indications, contraindications, complications, insertion techniques**
- **Onset, test dose, duration, sites of action, and termination of action**
- **Neuraxial dosing of drugs, baricity, preservatives in local anesthetics**
- **Epidural and spinal trays**
- **Neuraxial blocks for patients on blood thinners**
- **Contraindications to neuraxial blocks**

ULTRASONOGRAPHY AND ANATOMIC LANDMARKS

- **Ultrasound probes:**
 - Sound waves and ultrasound waves
 - Echogenicity
 - Hyperechoic
 - Hypoechoic
 - Isoechoic
 - Anechoic
 - Frequency
 - Gain
 - Color flow