Antiepileptics (Anticonvulsants)

- Phenytoin
- Phenobarbital
- Primidone
- Carbamazepine
- Valproic Acid (VA, Valproate)
- Ethosuximide
- Diazepam
- Lorazepam
- Clonazepam
- Clorazepate
- Vigabartin (Sabril)
- Tiagabine (Gabitril)
- Gabapentin
- Mg Salts
- Pregabalin (Lyrica)
- Lamotrigine (Lamictal)
- Topiramate (Topamax)
- Levetiracetam (Keppra)

Alcohols

- Ethanol (C2H5OH)
- significance
- pharmacologic effects
- CNS effects
- CV effects
- liver effects
- genitourinary effects
- misc effects
- pharmacokinetics
- metabolism and elimination
- drug interactions
- implications for dentistry
- alcohol abstinence syndrome
- tx of alcoholism
- Disulfiram
- Naltrexone
- Acamprosate

Alcohols (cont)

- ----------
- Methanol (CH3OH)
- metabolism
- toxicity
- poisoning
- cause of death
- treatment

General Anesthesia

- general anesthesia
- Horace Wells
- William Morton
- goals of anesthesia
- other drugs used as adjuncts
- minimum alveolar concentration (MAC)
- correlation between inhalation anesthetic potency and lipid solubility — the lower the MAC value, the greater the potency and vice versa
- membrane theories - molecular mechanisms
- neurophysiologic explanation
- behavioral manifestations of anesthesia - concentration dependent effects
- depth of anesthesia
- speed of induction and termination/recovery
- induction
- termination/recovery
- driving force and concentration of gas
- Dalton's Law
- Henry's Law
- partition coefficient (PC)
- second gas effects
- metabolism and elimination
- common pharmacologic effects
- cv effects
- rp effects
- liver effects
- kidney effects

Sponsored by **Readable.com**
Measure your website readability!
https://readable.com

General Anesthesia (cont)

skeletal muscle effects
agents used in general anesthesia
inhalation agents
nitrous oxide (N2O)
halothane
isoflurane
desflurane
sevoflurane
intravenous agents
thiopental
methohexital
propofol
ketamine
etomidate
dexmedetomidine
benzodiazepines
midazolam
opioids
morphine
meperidine (demerol)
fentanyl
anesthetic adjuvants and premeds
antihistimines
promethazine
hydroxyzine

Drug Abuse

Antipsychotics and Antidepressants

Phenothiazines	chlopromazine
Thioxanthenes	chlorprothixene
Butyrophenones	Haloperidol and Droperidol
Dihydroindodolones	Molindone
Dibenzoxazepines	Loxapine
Dibenzodiazepines	Clozapine
Thienbenzodiazepines	Olanzapine
Diphenylbutpiperidines	Pimozide

Antipsychotics and Antidepressants (cont)

Benzodiazepines	Diazepam, Clonazepam, Alprazolam, Lorazepam
Benzisoxazoles	Risperidone
Diazepam	
Chlorpromazine	
Clonazepam	
Clozapine	

Tricyclic Antidepressants (TCA)	
Monoamine oxidase inhibitors (MAOI)	
second and third generation compounds	bupropion
serotonin (5-HT) reuptake inhibitors (SSRI)	fluoxetine (Prozac)

CNS Stimulants

Amphetamine and Related Drugs	amphetamine, methamphetamine, methylphenidate, dextroamphetamine, ecstasy
methamphetamine	
ecstasy	
abuse characteristics	
acute over-dosage	
chronic abuse	
toxicity treatment	
dental implications	
meth mouth syndrome	
xanthine derivatives	caffeine, theophylline, theobromine
caffeine	
Doxapram	

Anti-parkinson's Agents

Levodopa (L-dopa)
Bromocriptine
Pergolide
Pramipexole (Miraprex)

Sponsored by **Readable.com**
Measure your website readability!
https://readable.com

Anti-parkinson's Agents (cont)

Ropinirole (Requip)
Selegiline
Entacapone
Tolcapone
Amantadine
Atropine
Benzotropine
Tri-hexaphendryl

Clinical Anatomy for Local Anesthesia

basic injection technique	
anatomical considerations	
techniques of maxillary anesthesia	local infiltration, field block, nerve block
posterior superior alveolar nerve blocke	
PSA landmarks	
PSA technique	
PSA nerve block advantages	
PSA nerve block disadvantages	
middle superior alveolar nerve block	
MSA technique	
MSA landmark	
MSA nerve block - areas anesthetized	
infraorbital nerve block	
infraorbital nerve block technique	
infraorbital nerve block areas anesthetized	
infraorbital nerve block indications	
local infiltration	
local infiltration indications	
local infiltration advantages	
local infiltration disadvantages	
palatal anesthesia	
greater palatine nerve block	
greater palatine nerve block landmarks	
greater palatine nerve block areas anesthetized	
greater palatine nerve block indications	
nasopalatine nerve block	

Clinical Anatomy for Local Anesthesia (cont)

nasopalatine nerve block landmarks	
nasopalatine nerve block technique	
nasopalatine nerve block areas anesthetized	
nasopalatine nerve block indications	
buccal nerve	
buccal nerve block	
buccal nerve block landmark	
buccal nerve block injection site	
buccal nerve block tissues anesthetized	
inferior alveolar nerve	largest branch of posterior division
inferior alveolar nerve block	
inferior alveolar nerve block landmarks	
inferior alveolar nerve block technique	
inferior alveolar nerve block nerves anesthetized	
inferior alveolar nerve block disadvantages	
inferior alveolar nerve block alternatives	
mental nerve block	
mental nerve block areas anesthetized	
incisive nerve block areas anesthetized	
incisive nerve block indications	
incisive nerve block advantages	
incisive nerve block disadvantages	
lingual nerve blocked with	
gow-gates nerve block	true mandibular nerve block
gow-gates nerve block landmarks	
gow-gates nerve block nerves anesthetized	
gow-gates nerve block advantages	
gow-gates nerve block disadvantages	
vazirani-akinosi nerve block	
vazirani-akinosi nerve block landmarks	
vazirani-akinosi nerve block nerves anesthetized	
vazirani-akinosi nerve block advantages	
vazirani-akinosi nerve block disadvantages	

Sponsored by **Readable.com**
Measure your website readability!
https://readable.com