

General Anesthetics

Mechanism of Action

- CHE-depression
- GABA, nicotinic receptors activation channel
- stages
 - withdrawal
 - Enkephalin system
 - Surgical removal



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General Anesthetics

Adverse Reactions

- Cardiovascular collapse/arrest
- Anaphylaxis
- Haemorrhagic shock
- Deep venous thrombosis/pulmonary embolism
- Incontinence
- Hypotension
- Inadequate tissue perfusion
- Myocardial ischaemia

9.1

General Anesthetics

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Azadirachta indica Linn., *Eurycorymbus tiliaceus* (Lam.) Agnes-Sin, *Schinus molle* L., *Cassia siamea* (Poir.) Roxb., *Albizia leucodermis* (Roxb.) Wight & Ait., *Mimosa pudica* L., *Leucaena glauca* (Willd.) DeCade.

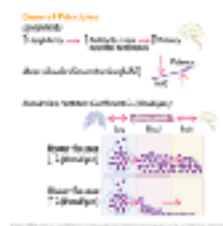


Table 1.1 Six subgroups of the intermediate subgroup of economic complexity patterns	
Intermediate or diffuse patterns (20%)	Examples
10.1	Auto parts
10.2	Automotive components
10.3	Automotive parts
10.4	Automotive parts
10.5	Automotive parts
10.6	Automotive parts
10.7	Automotive parts
10.8	Automotive parts
10.9	Automotive parts
10.10	Automotive parts
10.11	Automotive parts
10.12	Automotive parts
10.13	Automotive parts
10.14	Automotive parts
10.15	Automotive parts
10.16	Automotive parts
10.17	Automotive parts
10.18	Automotive parts
10.19	Automotive parts
10.20	Automotive parts

General Anesthetics

David A. Saloner

- Dissociation of anaesthetic in inspired gases
- Role of circulation in delivery to lungs
- Anaesthetic solubility in body tissues
- First-pass effect, hepatic metabolism, excretion



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Anesthetics

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- Tissue oligodendrocytes
- Intravascular wall invasion
- Subarachnoid dissemination
- High proliferative capacity
- Poor blood-brain barrier defense
- Chemoresistance
- Intense microangiogenesis
- Genetic alterations, epigenetics

Objectives

Let's give it a try...

- Local anesthetic resistance (i.e., when pharmacokinetics, pharmacodynamics, and adverse reactions, source of contamination and the means of observation and elimination)
- Clinical manifestations (i.e., pharmacokinetics, adverse reactions, and contraindications)
- Safety and efficacy: patient needs and medical history

Anesthetics

The Challenge

- Harvey's 2008/9
- Little's test
- Harvey's regression
- Impaired animals is removed