



Quiz

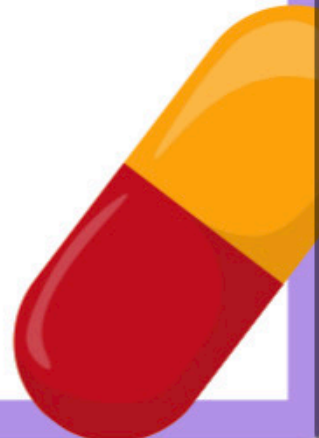
1. Histamine is synthesized by the decarboxylation of which amino acid?
 - a) Tryptophan
 - b) Tyrosine
 - c) Histidine
 - d) Serine
2. Which type of autacoid includes substances like Prostaglandins and Leukotrienes?
 - a) Amine autacoids
 - b) Peptide autacoids
 - c) Lipid autacoids
 - d) None of the above
3. H1 receptors mediate an increase in vascular permeability at sites of inflammation induced by histamine. What condition is commonly associated with this action?
 - a) Seasonal allergies
 - b) Stomach ulcers
 - c) Gastrinoma
 - d) Anaphylaxis
4. The triple response caused by subdermal histamine injection includes:
 - a) Red spot, flare, and wheal
 - b) Itching, pain, and vasodilation
 - c) Axonal reflexes, direct vasodilation, and edema
 - d) Bronchoconstriction, abdominal cramps, and colic





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5. Which histamine receptor is primarily found in the gastric parietal cells and is involved in the release of gastric acid?
- H1
 - H2
 - H3
 - H4
6. Histamine is an important cellular mediator in which of the following conditions?
- Parkinsonism
 - Rheumatoid arthritis
 - Seasonal allergies
 - Gastroesophageal reflux disorder
7. What physiological antagonist has effects opposite to those of histamine?
- Cortisol
 - Adrenaline
 - Insulin
 - Serotonin
8. Mast cell stabilizers like Cromoglycate are known for:
- Enhancing histamine release
 - Inhibiting histamine release
 - Blocking H1 receptors
 - Increasing gastric acid secretion





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9. Second-generation antihistaminics, such as Fexofenadine and Loratidine, are known for:
- a) Sedative effects
 - b) CNS depression
 - c) Minimal adverse effects
 - d) Blocking H₂ receptors
10. Which clinical condition is commonly treated with H₂ receptor antagonists like Cimetidine?
- a) Seasonal allergies
 - b) Peptic ulcer
 - c) Motion sickness
 - d) Vertigo





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Answers key:

1. c) Histidine
2. c) Lipid autacoids
3. a) Seasonal allergies
4. a) Red spot, flare, and wheal
5. b) H2
6. c) Seasonal allergies
7. b) Adrenaline
8. b) Inhibiting histamine release
9. c) Minimal adverse effects
10. b) Peptic ulcer

