

Pharmacology (Test) [Nervous System]

Pharmacology 4

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4. Chapter: Pharmacology (Test) [Nervous System]

1. Pharmacology (Test) [Nervous System] Questions

4.1.1. Briefly outline the 5 steps of the release of a transmitter onto a ...

Author: Rohini Ajay

Briefly outline the 5 steps of the release of a transmitter onto a receptor

1. 1) Synthesis
2. 2) Storage
3. 3) Release
4. 4) Activation
5. 5) Inactivation

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4.1.2. Name the 2 classes of receptors upon which Ach (acetylcholine) acts...

Author: Rohini Ajay

Name the 2 classes of receptors upon which Ach (acetylcholine) acts upon.

Called cholinceptors.
1) Nicotinic cholinococeptors.
2) Muscarinic cholinceptors.

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4.1.3. Name the types of receptors that are GPCRs.

Author: Rohini Ajay

Name the types of receptors that are GPCRs.

mAChR and ALL subtypes of adrenoceptors (alpha and beta).

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4.1.4. Draw the nAChR receptor (incl. ACh binding sites) and the mAChR rec...

Author: Rohini Ajay

Draw the nAChR receptor (incl. ACh binding sites) and the mAChR receptor.

nAChR=pentamer with middle ion channel. 2 Alpha subunits either side where ACh binding to.
mAChR=GPCR so the GPCR cycle.

Check the answer of this question online at QuizOver.com:

Question: [Draw the nAChR receptor incl. ACh binding Rohini Ajay Pharm. Test](#)

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4.1.5. Draw a diagram of the Cholinergic (ACh) transmission at a NMJ.

Author: Rohini Ajay

Draw a diagram of the Cholinergic (ACh) transmission at a NMJ.

Refer to diagram in book of the synthesis, storage, release, activation in book.

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4.1.6. Draw a diagram of the action of suxamethonium (a depolarising block...

Author: Rohini Ajay

Draw a diagram of the action of suxamethonium (a depolarising blocker) on the NMJ on nAChRs.

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Question: [Draw a diagram of the action of suxamethonium Rohini Pharm. Test](#)

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4.1.7. What kind of anticholinesterase is neostigmine? And name one clinic...

Author: Rohini Ajay

What kind of anticholinesterase is neostigmine? And name one clinical use of it.

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Question: [What kind of anticholinesterase is neostigmine Rohini Pharm. Test](#)

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4.1.8. What does Propranolol (which works on the Beta Adrenoceptors as an ...

Author: Rohini Ajay

What does Propranolol (which works on the Beta Adrenoceptors as an antagonist) do? For what disease is it used as a treatment for? What is a side effect of it?

Check the answer of this question online at QuizOver.com:

Question: [What does Propranolol which works on the Beta Rohini Pharm. Test](#)

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4.1.9. In 2 steps explain how Tyramine (an indirect sympathomimetics) stim...

Author: Rohini Ajay

In 2 steps explain how Tyramine (an indirect sympathomimetics) stimulates NA release?

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Question: [In 2 steps explain how Tyramine an indirect Rohini Ajay Pharm.](#)

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4.1.10. Give one piece of evidence to suggest the role of adenosine in asth...

Author: Rohini Ajay

Give one piece of evidence to suggest the role of adenosine in asthma and chronic obstructive pulmonary disorders.

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Question: [Give one piece of evidence to suggest the Rohini Ajay Pharm. Test](#)

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4.1.11. Draw a labelled glutamatergic synapse

Author: Rohini Ajay

Draw a labelled glutamatergic synapse

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