

INSTITUTE OF PSYCHIATRY,
PSYCHOLOGY & NEUROSCIENCE

Module:

Biological Foundations of Mental Health

Week 3:

Synaptic transmission and neurotransmitter systems



Dr Jon Robbins

Topic 2:
Neurotransmitters, receptors and pathways
Part 2 of 4

Topic list



This week, we will be looking at the following topics:

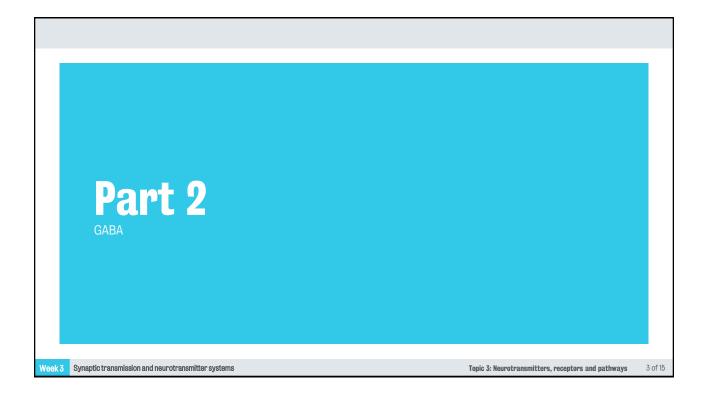
- Tonic 1: Δction notentials and synantic transmission
- Topic 2: Neurotransmitters, receptors and pathways
- Topic 3: Neurotransmission defects and mental health: focus on schizophrenia

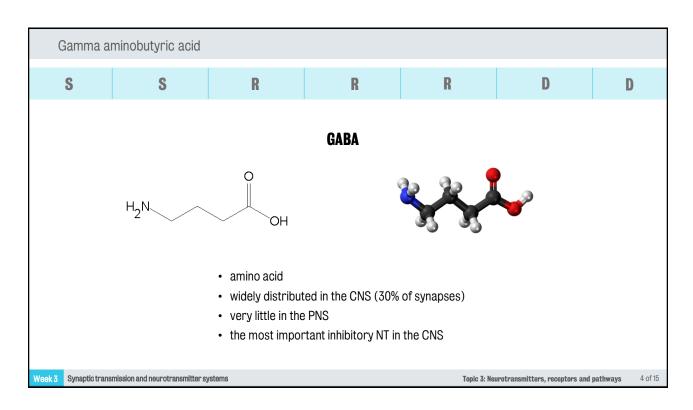
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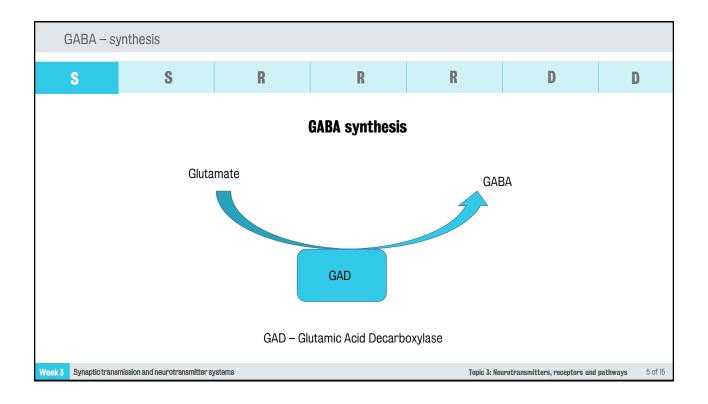
Week 3 Synaptic transmission and neurotransmitter systems

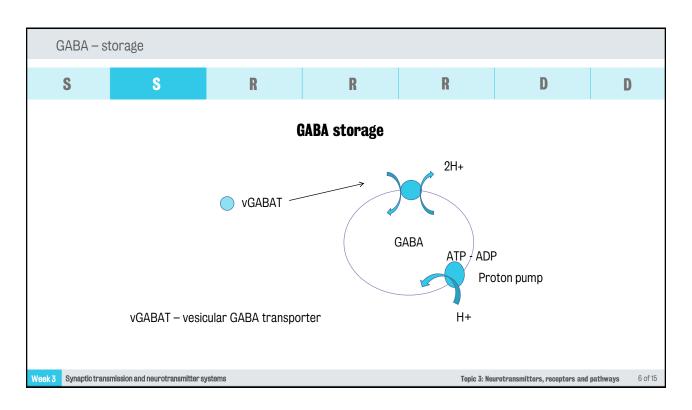
Topic 3: Neurotransmitters, receptors and pathways

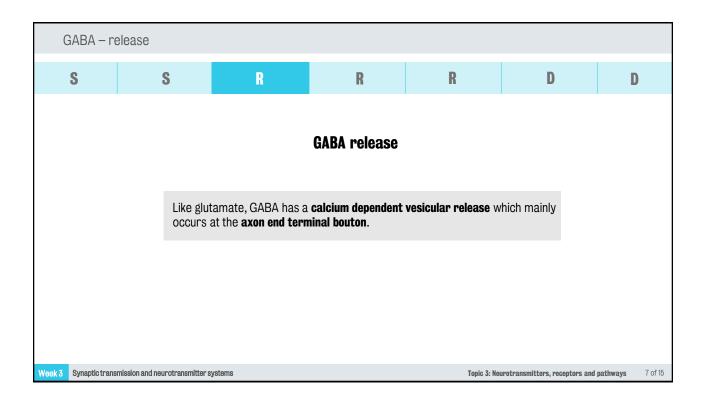
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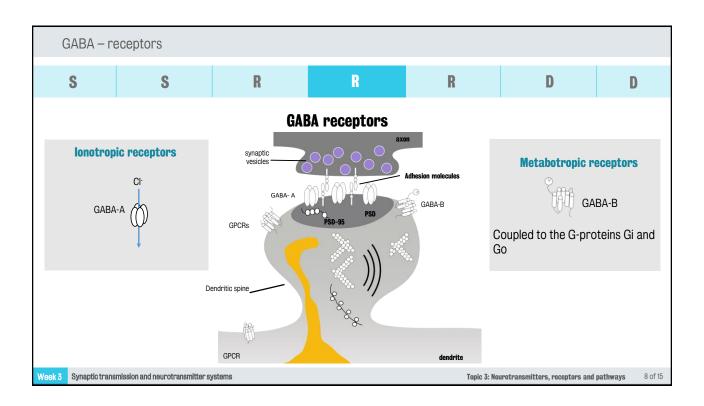


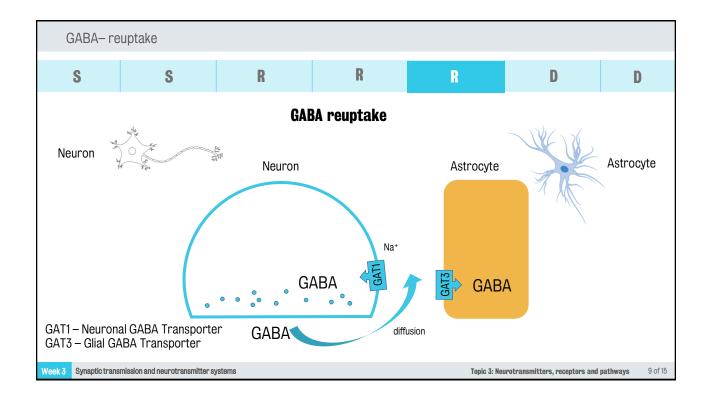


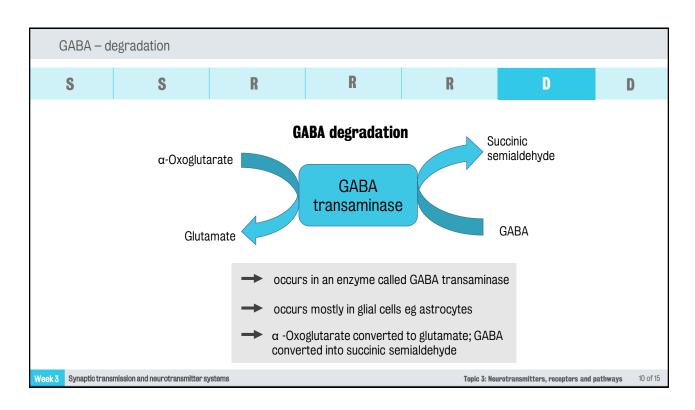


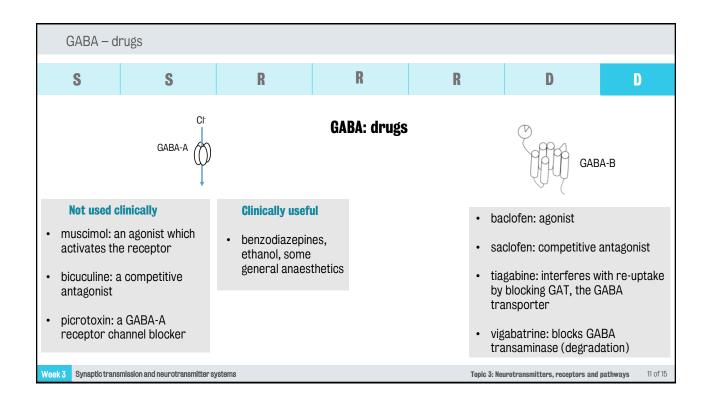


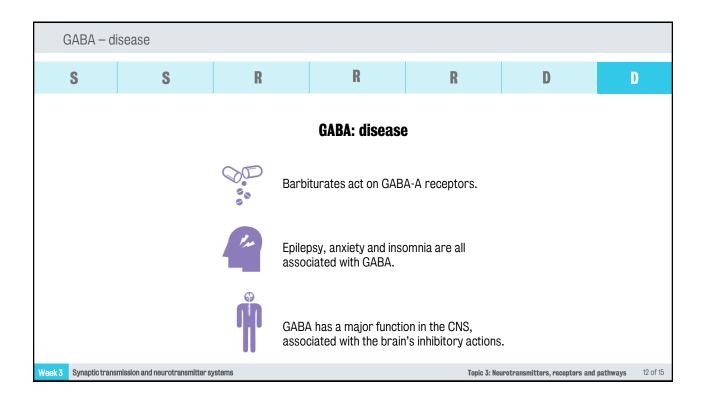












GABA – fact sheet				
	GABA: fact sheet Drugs			
	S	GAD	-	
	S	Vesicular	-	
	R	Calcium dependent at terminal	-	
	R	Ionotropic: GABA-A Metabotropic: GABA-B	Muscimol, bicuculline, benzodiazepines, anaesthetics, baclofen, saclophen	Clinical use
	R	GAT	Tiagabine	
	D	GABA-t	Vigabatrine	
Week 3 Synaptic transmission and neurotransmitter systems Topic 3: Neurotransmitters, receptors and pathways 13 of 15				

References

- Chapter 38 Rang et al (2016) Pharmacology 8th ed
- http://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=72
- http://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=26

Week 3 Synaptic transmission and neurotransmitter systems

Topic 3: Neurotransmitters, receptors and pathways

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