



Presented with **xmind** 

## Crebellum

Functions of the cerebellum:			Lesions in cerebellum:			
which is assisted by it's connection to the labyrinth through the vestibular nuclei.       1.Control of equilibrium       mainly performed by the flocculo-nodular lobe			1. Archi-cerebellar syndrome:       affects mainly folucculo-nodular lobe         disturbances in equilibrium with a characteristic gait called "drunken gait"         patient walks swinging from side to side like a drunken person with wide base.			
is inhibitory to the muscle the paleo-cerebellum =anterior cerebellum 2.Regulation of the muscle tone is excitatory to it.			2. Paleo- cerebellum Syndrome: - In which there is hypertonia equilibrium and voluntary movements are more or less normal.			
	neo-cerebellum = posterior cerebellum			affect the neo-cerebellum		
3.Regulation of the gross involuntary movements:			3. Neo- Cerebellar syndrome (Ataxia): —	characterized by: -	a-Athenia severe r not para	nuscle weakness lysis in the same side of lesion. endon jerk takes the characteristic " because neo-cerebellum facilitates the
Other extra pyramidal system.     A. Role of cerebellum in ballistic movement: — Most rapid movements of thebody such as movements of the fingers in typing saccadic movements of the eyes.					Pendul	I.Dysmeteria 2.Dys-diadocokinesia
controlling the timing and the progression from one movement to another -						- 3. Stacatto speech
5.Control of voluntary movements	$\sim$ rather than initiation of these movements		c- Cerebellar ataxia: —			- 4.Kine tic (inte ntio n) tre mo rs
	- Mainly the function of neo-cerebellum	- A-Servo-comparator function:				- 5.Cerebellar Nystagmus
		<ul> <li>B-Damping function of the cerebellum:</li> <li>C- Predictive function:</li> </ul>				<ul> <li>6. Rebound phenomenon</li> <li>7. Abnormalgait, Zigzag gait, :</li> </ul>
D- Programmer function:						8.Decomposition of movements:



Presented with **xmind** 



