Cheatography

Neurological Examination of the Lower Limbs Cheat Sheet by hjsdhaj via cheatography.com/201639/cs/42746/

	eration and Ec			Power:			
W	Wash Hand			Test bo	th left and right lim	nbs, directly comparing each move	ment in
1		ourself + Patient's	dentity			turn.	
Ρ	Permission			The pa	tient should perfor	rm each movement on their own ar	nd then
Ρ	Patient Pos	sition + Pain			attempt with the	examiner resisting the movement	
E	Explainatio	n		Hips:	•Flexion	Patient straightens leg, raises le	g off the
Equip	Patient m	nust be placed at 4	I5° and <i>limbs exposed</i>		•Abduction •Adduction •Extension	bed, lowers it to the bed	
Cot Neu Ter	tton Wool urotips ndon Hammer 3Hz Tuning Fo			Knee:	•Flexion •Extension	Patient flexes hip and knee, sec thigh with one hand, ask patient out towards the end of the bed, heel towards bum	to kick
Gene	eral Inspection	:		Ankle:	•Dorsiflexion •Plantarflexion	Leg flat on bed, secure leg, dors foot, plantarflex foot	siflex
		lities and deformiti	es	Big Toe:	•Flexion •Extension	Hold foot secure, flex big toe (to patient), extend (away from patient)	
	ning or facial a						,
	-	asciculations, or tre	emor	Coordina	ation:		
	ormal moveme			Heel-shi	n test: Place he	el on one knee and run up and dov	vn the
	ious discomfo		Welling side Orlinger		shin		
•IVIEd	ical parapherr		Walking aids, Calipers	Тое Тар	ping: Patient ta	aps floor/your hand with their foot	
Tone	:			Must be		h sides and the patient should be a actions as quickly as possible	asked to
~		Check for		_			
Chec	k tone:	Roll the relaxed leg from side to	Extra movement => Decreased tone	Tendon	Reflexes:		
		side and watch	Decreased tone		Limb r	must be totally relaxed	
		foot	Less movement => Rigidity	Knee:		bove the knee, with the knee ctly below the patella	L3/4
		Flex and extend knee	+ check for clonus at knee	Ankle:	-	ed, laterally rotate leg, flex knee, siflexed. Strike Achilles Tendon	<i>S1/2</i>
Chec	k for clonus:	Rotate ankle	<i>Ensure no pain</i> Relax foot Hold lower leg with one hand and extend the ankle joint with the other Suddenly dorsiflex ankle				

Clonus is seen in upper motor neuron lesions

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and hold in position Compare with other leg

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Plantar Posponso:	Hold ankle with one hand.	Must be first	bia	Pain:	Repeat same process as for ligh	nt touch.
Response:	Warn the patient this may tickle. Scratch the sole of the foot	movement of the toe	big		Tested using a new neurotip. Must be disposed of in the sharp	os bin.
	with a tongue depressor, starting at the lateral side of the heel, up lateral sole,	Negative Babinsk (normal except in case of LMN dise	n the	Temperature:	Tested the same way as pain/lig done.	ght touch, rarely
	across base of toes.	Flexion of the toe	es and		Tested using a <i>cold tuning fork</i> .	
		pull away	Vibration Sense:	Strike tuning fork and hold to patient's sternum. Ask patient to close eyes.		
			Positive Babinski sign: <i>Extension (upwards</i>			
		movement) of the			Begin on most distal bony promi each foot)	inance (Big toe o
		damage		Proprioception:	Ask patient to close eyes.	If normal, end
F	Reflex may be present/absent , o	r reduced/brisk			distal to the DIP joint. Stabilise the toe proximal to the tested	move proxima
Sensation: .ight	Reflex may be present/absent , o Important to touch rather then				the toe proximal to the tested joint. Demonstrate up/down for the patient, then repeat in a	unable to feel, move proximal up the joints. PIP, Ankle, Knee, etc.
Sensation: .ight	Important to touch rather then	stroke			the toe proximal to the tested joint. Demonstrate up/down for the patient, then repeat in a random direction, asking the	move proximal up the joints. PIP, Ankle,
Sensation: _ight		<i>stroke</i> ng cotton wool.	eel		the toe proximal to the tested joint. Demonstrate up/down for the patient, then repeat in a random direction, asking the patient to say which direction	move proximal up the joints. PIP, Ankle,
Sensation: _ight	Important to touch rather then Lightly touch sternum first usir	<i>stroke</i> ng cotton wool.	eel		the toe proximal to the tested joint. Demonstrate up/down for the patient, then repeat in a random direction, asking the	move proximal up the joints. PIP, Ankle,
Sensation: _ight	Important to touch rather then Lightly touch sternum first usin Ask patient to close eyes and the touch. Ask if touch feels the same on	<i>stroke</i> ng cotton wool. tell you when they fo			the toe proximal to the tested joint. Demonstrate up/down for the patient, then repeat in a random direction, asking the patient to say which direction	move proximal up the joints. PIP, Ankle,
Sensation: Light	Important to touch rather then Lightly touch sternum first usin Ask patient to close eyes and the touch. Ask if touch feels the same on Proximal anterior upper thigh	<i>stroke</i> ng cotton wool. tell you when they fe both sides	L1	Coit and Poloose	the toe proximal to the tested joint. Demonstrate up/down for the patient, then repeat in a random direction, asking the patient to say which direction the toe is moving. Repeat 3 times	move proximal up the joints. PIP, Ankle,
Sensation: Light	Important to touch rather then Lightly touch sternum first usin Ask patient to close eyes and the touch. Ask if touch feels the same on Proximal anterior upper high Proximal anterior upper leg, but	<i>stroke</i> ng cotton wool. tell you when they fe both sides		Gait and Balance	the toe proximal to the tested joint. Demonstrate up/down for the patient, then repeat in a random direction, asking the patient to say which direction the toe is moving. Repeat 3 times	move proximal up the joints. PIP, Ankle,
Sensation: .ight	Important to touch rather then Lightly touch sternum first usin Ask patient to close eyes and the touch. Ask if touch feels the same on Proximal anterior upper thigh Proximal anterior upper leg, be knee	<i>stroke</i> ng cotton wool. tell you when they fe both sides	L1 L2	Examine Gait:	the toe proximal to the tested joint. Demonstrate up/down for the patient, then repeat in a random direction, asking the patient to say which direction the toe is moving. Repeat 3 times	move proximal up the joints. PIP, Ankle,
Sensation: .ight	Important to touch rather then Lightly touch sternum first usin Ask patient to close eyes and the touch. Ask if touch feels the same on Proximal anterior upper thigh Proximal anterior upper leg, be knee Anterior surface of knee	<i>stroke</i> ng cotton wool. tell you when they fe both sides	L1 L2 L3	Examine Gait:	the toe proximal to the tested joint. Demonstrate up/down for the patient, then repeat in a random direction, asking the patient to say which direction the toe is moving. Repeat 3 times : Romberg's Test:	move proximal up the joints. PIP, Ankle, Knee, etc.
Sensation: .ight	Important to touch rather then Lightly touch sternum first usin Ask patient to close eyes and the touch. Ask if touch feels the same on Proximal anterior upper high Proximal anterior upper leg, bu knee Anterior surface of knee Medial aspect of lower leg	<i>stroke</i> ng cotton wool. tell you when they fe both sides	L1 L2 L3 L4	Examine Gait:	the toe proximal to the tested joint. Demonstrate up/down for the patient, then repeat in a random direction, asking the patient to say which direction the toe is moving. Repeat 3 times	move proximal up the joints. PIP, Ankle, Knee, etc.
Sensation: Light	Important to touch rather then Lightly touch sternum first usin Ask patient to close eyes and the touch. Ask if touch feels the same on Proximal anterior upper thigh Proximal anterior upper leg, be knee Anterior surface of knee	<i>stroke</i> ng cotton wool. tell you when they fe both sides	L1 L2 L3 L4 L5	Examine Gait:	the toe proximal to the tested joint. Demonstrate up/down for the patient, then repeat in a random direction, asking the patient to say which direction the toe is moving. Repeat 3 times Repeat 3 times	move proximal up the joints. PIP, Ankle, Knee, etc.
F Sensation: Light Touch:	Important to touch rather then Lightly touch sternum first usin Ask patient to close eyes and the touch. Ask if touch feels the same on Proximal anterior upper thigh Proximal anterior upper leg, but knee Anterior surface of knee Medial aspect of lower leg Lateral aspect of lower leg	<i>stroke</i> ng cotton wool. tell you when they fo both sides etween thigh and	L1 L2 L3 L4	Examine Gait:	the toe proximal to the tested joint. Demonstrate up/down for the patient, then repeat in a random direction, asking the patient to say which direction the toe is moving. Repeat 3 times Repeat 5 times	move proxima up the joints. PIP, Ankle, Knee, etc.

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Completing the Examination:

Thank the Patient

- •Consider Upper Limbs Examinaiton
- •Consider Cranial Nerves Examination
- •Consider Examining Anal Tone

Wash Hands

Common Disorders

B12 deficiency: Commonest cause of dorsal column problems sub acute combined degeneration of the spinal cord

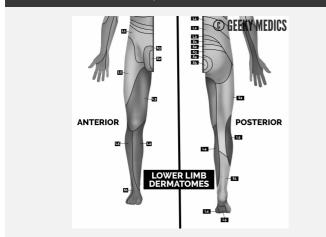
Cerebellar disease is ipsilateral and causes horizontal nystagmus -Fast phase towards the side of the lesion

MRC Muscle Power Scale:

MRC Muscle Power Scale

Score	Description
0	No contraction
1	Flicker or trace of contraction
2	Active movement, with gravity eliminated
3	Active movement against gravity
4	Active movement against gravity and resistance
5	Normal power

Lower Limbs Dermatome Map:



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