Cheatography

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NDT		NC
Reflex-	Patterns of movement that	inh
Inhib-	inhibit abnormal muscle tone or	ро
iting	reflexesinitiated at key points	de
Patterns	on the body to inhibit the	an
	abnormal muscle pattern of the	im
	more distal body partcontrols	an
	muscle tone distribution -pattern	po
	is applied to the proximal end of	are
	the body part to allow voluntary movement in the distal part.	ba
		of
handling	The technique used to move a	
	patient through reflex-inhibiting patterns and facilitation of	los
	righting and equilibrium	the
	reactionsused to influence	mc
	postural tone and inhibit	
	abnormal patternsregulates	
	coordination of agonists,	
	antagonists, and synergists	
	facilitates normal automatic	
	responses -completed passively	
	at first and then gradually	
	withdrawn as the patient gains	
	the ability to move in normal	
	patternsconstantly changes to	
	inhibit undesired responses and	
	facilitate desired responses	
	during activity.	

DT (cont)

inhibition of primitive re postural and limb move	
development of normal and movement	patterns of posture
improvement of the qua and performance of the	
postural reactions are considered the basis for the control of movement	these reactions include righting, equilibrium, protective responses
loss of postural control the sound side and limi movements	

NDT (cont)

Sensory	Sensory stimulation techniques
Stimul-	are used to facilitate muscle
ation	activity when hypotonic muscles
	are observedalways done
	when the patient is in a reflex-in-
	hibiting patternstopped if the
	response is abnormal or results
	in hyperactive tonethree types
	of sensory stimulation 1. Weight
	bearing – pressure and
	resistance are used to increase
	muscle tone and decrease
	involuntary movements. 2.
	Placing and Holding – the
	patient's limb is moved to
	various positions with assistance
	from the therapist, and then the
	patient is instructed to hold each
	position. 3. Tapping – manual
	muscle facilitation through one of
	four techniques: a. joint compre-
	ssion to increase tone and
	maintain posture b. inhibitory
	tapping by releasing the body
	part and catching it after a very
	short fall to stimulate stretch
	reflexes c. alternate tapping by
	very lightly pushing the patient to
	and from mid position d. sweep
	tapping where the therapist
	sweeps a hand over the desired
	muscles in the desired direction
	of movement to activate synergic
	patterns



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PNF

techniques are superimposed on patterns of movement (diagonals) and posture, focusing on sensory stimulation from manual contacts, visual cues, verbal commands D1 -shoulder flexes, adducts and flexion externally rotates -elbow flexes/extends -forearm supinates -wrist flexes toward radial side -fingers flex and adduct -thumb flexes and adducts d2 -shoulder extends, abducts and internally rotates -elbow extension extends -forearm pronates wrist extends toward ulnar side -fingers extend and abduct thumb extends and abducts d2 flexion -shoulder flexes, abducts and externally rotates -elbow extends -forearm supinates wrist extends -fingers extend and abduct -thumb extends and adducts d2 -shoulder extends, adducts and extension internally rotates -elbow flexes -forearm pronates -wrist flexes toward ulnar side -fingers flex and adduct -thumb opposes

brunnstrom

Basis – Synergies and reflexes that are a normal part of early development should be included as a part of the sequence of return of motor function in hemiplegia.

STNR When the head and neck are flexed forward, the upper extremities flex and the lower extremities extend. When the head and neck are lifted, the upper extremities extend and the lower extremities flex.

By ts3414

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brunnstrom (cont)

ATNR	side, ities t exten	n the head is rotated to one the upper and lower extrem- o the front of the head id, while the upper and lower mities to the back of the head
rood		
4 compon	ents	 Normalization of tone and facilitation of desired muscle responses is acquired through the use of approp- riate sensory stimuli. 2. Sensorimotor control is developmentally based and must occur sequentially. 3. Movement is purposeful. Activities are used to create a purposeful response in the patient and elicit the correct movement pattern. 4. Repetition is necessary to establish sensorimotor responses.
reciproc inhibitio nnervati	n/i-	an early mobility pattern that is primarily a reflex governed by spinal and supraspinal centers
rood		
4		1. Normalization of tone and

facilitation of desired muscle components responses is acquired through the use of appropriate sensory stimuli. 2. Sensorimotor control is developmentally based and must occur sequentially. 3. Movement is purposeful. Activities are used to create a purposeful response in the patient and elicit the correct movement pattern. 4. Repetition is necessary to establish sensorimotor responses.

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rood (cont)	
reciprocal inhibition/i- nnervation	an early mobility pattern that is primarily a reflex governed by spinal and supraspinal centers
co-contra- ction	defined as a simultaneous contraction of the agonist and antagonist that provides stability in a static pattern
heavy work - distal stability = proximal mobility	mobility is superimposed on stability
skill	considered the highest level of control and combines stability and mobility
rood	
4	1 Normalization of tana and
4 components	 Normalization of tone and facilitation of desired muscle responses is acquired through the use of approp- riate sensory stimuli. 2. Sensorimotor control is developmentally based and must occur sequentially. 3. Movement is purposeful. Activities are used to create a purposeful response in the patient and elicit the correct movement pattern. 4. Repetition is necessary to establish sensorimotor responses.
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