Cheatography

Ages	
Newborns	Premature (<38
	weeks)
	Term (>38 weeks)
Neonate	0-30 days
Infant	Early (1-12 months),
	Late (13-24 months)
Young child/-	2-6 years
toddler	
Child/school child	6-12 years
Adolescent	12-18 years

General MSK in utero conditions

MSK from	Pathologies, uterus differ-	
intrauterine	ences, growth restriction and	
enviro-	arthrogryposis	
nment		
Congenital	AROM + PROM reduced with	
contra-	structural and or functional	
ctures	abnormalities of soft tissues	
Congenital	Malformations, disruptions,	
anomalies	deformations, dysplasia	
Arthrogryposis: Abnormal contracture of		

joints - curved joints

Signs that a child needs manual therapy

Signs of a neck problem

Decreased cx	Decreased neck tone +		
ROM	strength		
Asymmetric head	Difficulty sleeping		
shape	supine		
Palpable lesion in joints/muscles of the cx			
spine			

Swaddling

Increases risk of SID - more likely to be prone	Negative effect on mother-infant relationship compared to skin to skin
Later breast- feeding	Developmental hip dysplasia
Acute respir- atory infection	Vitamin D deficiency
Decreases pain scores	Decreases spontaneous awakening and arousa- bility, greater quality sleep
In the second state of	les un eutile e mention

Rationale for paediatric MSK care Cheat Sheet

by Siffi (Siffi) via cheatography.com/122609/cs/22895/

Increased risk of hyperthermia

Pain in later life	
Pain - increased heart rate	Hypothalamic pituitary adrenal axis reprog- ramming
Higher risk of malada- ptive responses to anxiety & stress provoking stimuli	Anxiety, depres- sion, OCD, panic & PTSD
Cognitive functioning	Reduced cognition and visual motor integration

Increased size of amygdala

Prevention:	
Increased endorphin & e	encephalin protein
	changes
	permanent
Periaqueductal grey	Immediate &

Non pharma therapies : Kangeroo care, massage, skin to skin contact, breastfeeding, NNS, oral sweeteners Parents: Increase emotional sensitivity Increase education Lower parental stress

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Foetal akinesia

Lasting >3 wee	eks:		
Lack of normal muscle stretching	Reduced compliance of the capsule and peri-articular ligaments		
Causing:	Fibrosis and contractures of the affected joints		
Assessed by:	PROM		
Was your baby moving all throughout the pregnancy or staying still? Movements are important for normal MSK development			
	, ,		
	, ,		
development	, ,		
development Risk factors for	e important for normal MSK		
development Risk factors for	• intrauterine constraint first pregnancy)		
development Risk factors for Primigravida (*	intrauterine constraint first pregnancy)		
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development Risk factors for Primigravida (Small materna Uterine malforr Uterine Fibrom Early Pelvic en Aberrant foetal	e important for normal MSK intrauterine constraint first pregnancy) I size mation ata gagement of the foetal head		

Birthing injuries

Forceps + perineal pressure	Nasal septal deviation
Mild injuries	Head Asymmetry
	Facial asymmetry
	Torticollis
	Mandibular asymmetry
	Spinal, rib, clavicular dysfunction
Moderate injuries	Clavicular f#
	Facial nerve injury
	Bruising & tearing spinal nerve root
	Brachial plexus

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Birthing injuries (cont)				
Severe injuries	Extra/sub-dural haemorrhages into joint capsules, torn ligaments, dura			
	Haemorrhages of vertebral arteries			
Types of	birth ii	nterventions + Risks		
Vaginal I	Birth	Clavicular f#		
Forceps		Skull f#		
		CN palsy		
		Brachial plexus injuries		
	Facial nerve palsy			
Torticollis				
Ventous	е	Cephalohaematoma		
		Cranial f#		
Risks		Male (larger)		
		First born		
		Assisted delivery		
Ventous	e: Cup	like suction device, attaches		

to the baby's head

Non-pharma pain management

Enviro- nment	Feeding methods	Other	
Skin to Skin contact	Non-Nutritive sucking (NNS)	Acupun cture	
Swaddl- ing(?)	Breast Feeding	Sucrose	
Tucking			
Touch, massage			
Music			
Non Nutritivo	auakina:		

Non-Nutritive sucking:

Sucking not for the purpose of feeding Benefits: Improved digestion Behavioral organization (able to settle down after crying) Pain management Prevention of aspiration Decreased risk of SIDs



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NNS if baby resists		
Consider:	Because of early	
	breast weaning?	
Shortened breast-	Nipple confusion	
feeding duration?		
Otitis media	Dental malocculu-	
	sions	
Suffocation	Allergies	
Poisoning	Infection	
Recommended:		
Minimise pacifier use		
Delay introduction up to 1 month of age		

Limit use for soothing

Wean from pacifier from 2-6 months of age

NP & NC pain

NC – superficial somatic	Skin, mucosa	Well localised	Sharp May be burning or pricking	None
NC – deep somatic	Bone, joints, muscles, CT	Well localised, tenderness to palpation	Dull Aching Throbbing	May refer over skin
NC – visceral	Internal organs	Poorly localised, Palpation may create pain	Vague dull, achy, cramping, tightness, deep pressure, spasms, squeezing	May refer over skin May be radiation of visceral pain
NP	Various sites, not always stimulus dependent	Poorly localised, diffuse + Sensory dysfunction	Difficult to describe Burning, pricking, needle like pain Sharp, shooting	Within nerve territory May be abnormal radiation

Neuropathic (NP)

Nociceptive (NC)