Revision checklists

History taking

Symptoms		
	Pain Swelling Stiffness Limp Pattern of joint involvement	
Evolu	ition	
	Acute or chronic?	
	Associated events Response to treatment	
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Invoi	vement of other systems	
	Skin, eye, lung or kidney symptoms? Malaise, weight loss, fevers, night sweats?	
Impact on patient's lifestyle		
	Patient's needs/aspirations	
	Behavioural changes	
	Impact at school	
	Limitation of activities	
Focused questions for the child with a learning disability		
	Regression in motor milestones?	
	Change in behaviour?	
	Subtle adaptations noted to perform activities?	
	Change in gait or shape of fingers?	



pGALS screening questions □ Any pain, swelling or stiffness in muscles, joints or back? Dress completely without any difficulty? □ Walk up and down stairs without any difficulty? pGALS screening examination Gait Observe walking including on tiptoes and heels Observe patient standing: Front, sides and back Arms ☐ Hands in front, palms down, fingers outstretched □ Backs of hands, make fist ☐ Each finger in turn to touch thumb □ Palpate metacarpophalangeal joints ☐ Hands together, then back–to-back Reach up, 'touch the sky', 'look at ceiling' ☐ Hands behind neck Legs □ Patient lying supine ☐ Comment on muscle bulk, leg alignment, symmetry □ Inspect soles of feet Palpate for an effusion at knee ☐ Flex and extend the knee (active and passive) Palpate for crepitus of the knee Internal rotation of hip Spine ☐ Inspect spine: comment on appearance □ Place ear to shoulder Bend and touch toes Open mouth and place 3 fingers vertically within **pREMS General Principles** Introduction Introduce Explanation Verbal consent □ Places child at ease ☐ Observe for pain



Look		
	Scars, swelling, rashes Muscle wasting Posture, alignment of joints Footwear, walking aids Ensure appropriately exposed	
Feel		
	Temperature Swelling Tenderness Crepitus Muscle tone	
Move		
	Full range of movement – active and passive 'Copy me' approach Restriction – mild, moderate or severe?	
Funct	tion	
	Comment on functional assessment of joint	
pRE	MS examination of the hand and wrist	
	Introduce yourself/gain consent to examine Inspect hands (palms and backs) for muscle wasting skin and nail changes Check wrist for carpal tunnel release Feel for radial pulse, tendon thickening and bulk of thenar and hypothenar eminences Assess median, ulnar and radial nerve sensation Assess skin temperature Squeeze MCP joints	
	Bimanually palpate swollen or painful joints, including wrists Look and feel along ulnar border Assess full finger extension and full finger tuck	
	Assess wrist flexion and extension – active and passive Assess median and ulnar nerve power Assess function: grip and pinch, picking up small object	
	Perform Tinel's test (if suggestion of carpal tunnel syndrome) Special tests: nailfold capillaroscopy, hypermobility assessment	



pREMS examination of the elbow		
 Introduce yourself/gain consent to examine Look for scars, swellings or rashes Assess skin temperature Palpate over head of radius, joint line, medial and lateral epicondyles Assess full flexion and extension, pronation and supination – actively and passively Assess function – e.g. hand to nose or mouth Special tests: muscle power, peripheral nerves, peripheral pulses, hypermobility, entheses 		
pREMS Examination of the shoulder		
 Introduce yourself/gain consent to examine Inspect shoulders from in front, from the side and from behind Assess skin temperature Palpate bony landmarks and surrounding muscles Assess movement and function: hands behind head, hands behind back Assess (actively and passively) external rotation, flexion, extension and abduction Observe scapular movement Special tests: muscle power, peripheral nerves, peripheral pulses, hypermobility 		
pREMS examination of the hip		
□ Introduce yourself/gain consent to examine		
With the patient lying on couch:		
 Look for flexion deformity and leg length disparity Check for scars Feel the greater trochanter for tenderness Assess full hip flexion, internal and external rotation Perform the Thomas test Measure leg length Special tests: Gowers's test, entheses, muscle power, hypermobility 		
With the patient standing:		
 Look for gluteal muscle bulk Measure thigh girth Perform the Trendelenburg test Assess the patient's gait 		



	Introduce yourself/gain consent to examine
With	the patient lying on couch:
	Look from the end of the couch for varus/valgus deformity, muscle wasting, scars and swellings Look from the side for fixed flexion deformity Assess skin temperature With the knee slightly flexed palpate the joint line and the borders of the patella Feel the popliteal fossa Perform a patellar tap and cross fluctuation (bulge sign) Assess full flexion and extension (actively and passively) Assess stability of knee ligaments medial and lateral collateral – and perform anterior draw test Measure leg length, thigh girth Special tests: Clarke's test, patellar tracking, thigh-foot angle, hamstring and iliotibial tightness knock-knee/bow-leg assessment, hypermobility
With	the patient standing:
	Look again for varus/valgus deformity and popliteal swellings Assess the patient's gait
pRE	MS examination of the foot and ankle
	Introduce yourself/gain consent to examine
With	the patient lying on couch:
	Look at dorsal and plantar surfaces of the foot Assess skin temperature Palpate for peripheral pulses Squeeze the MTP joints Palpate the midfoot, ankle joint line and subtalar joint Assess movement (actively and passively) at the subtalar joint (inversion and eversion), the big toe (dorsi- and plantar flexion), the ankle joint (dorsi- and plantar flexion) and mid-tarsal joints (passive rotation) Look at the patient's footwear Measure leg length Special tests: thigh-foot angle, hypermobility, entheses, muscle power, nailfold capillaroscopy
With	the patient standing:
	Look at the forefoot, midfoot (foot arch) and the hindfoot Assess the gait cycle (heel strike, stance, toe-off)



pREMS examination of the knee

MS examination of the spine
Introduce yourself/gain consent to examine
the patient standing:
Inspect from the side and from behind Palpate the spinal processes and paraspinal muscles Assess movement: lumbar flexion and extension and lateral flexion; cervical flexion, extension rotation and lateral flexion Special tests: one-leg standing spine extension test
the patient sitting on couch:
Assess thoracic rotation
the patient lying on couch:
Perform straight leg raising and dorsiflexion of the big toe Assess limb reflexes
mination tips for children with a learning disability, especially Down's drome
Be opportunistic – observe child move around the room and in play DA most commonly affects the small joints of the hands and wrists. Start with these joints if the child is not likely to tolerate a full examination Compare sides, as it may be difficult to appreciate joint restriction in a child with joint hypermobility.

