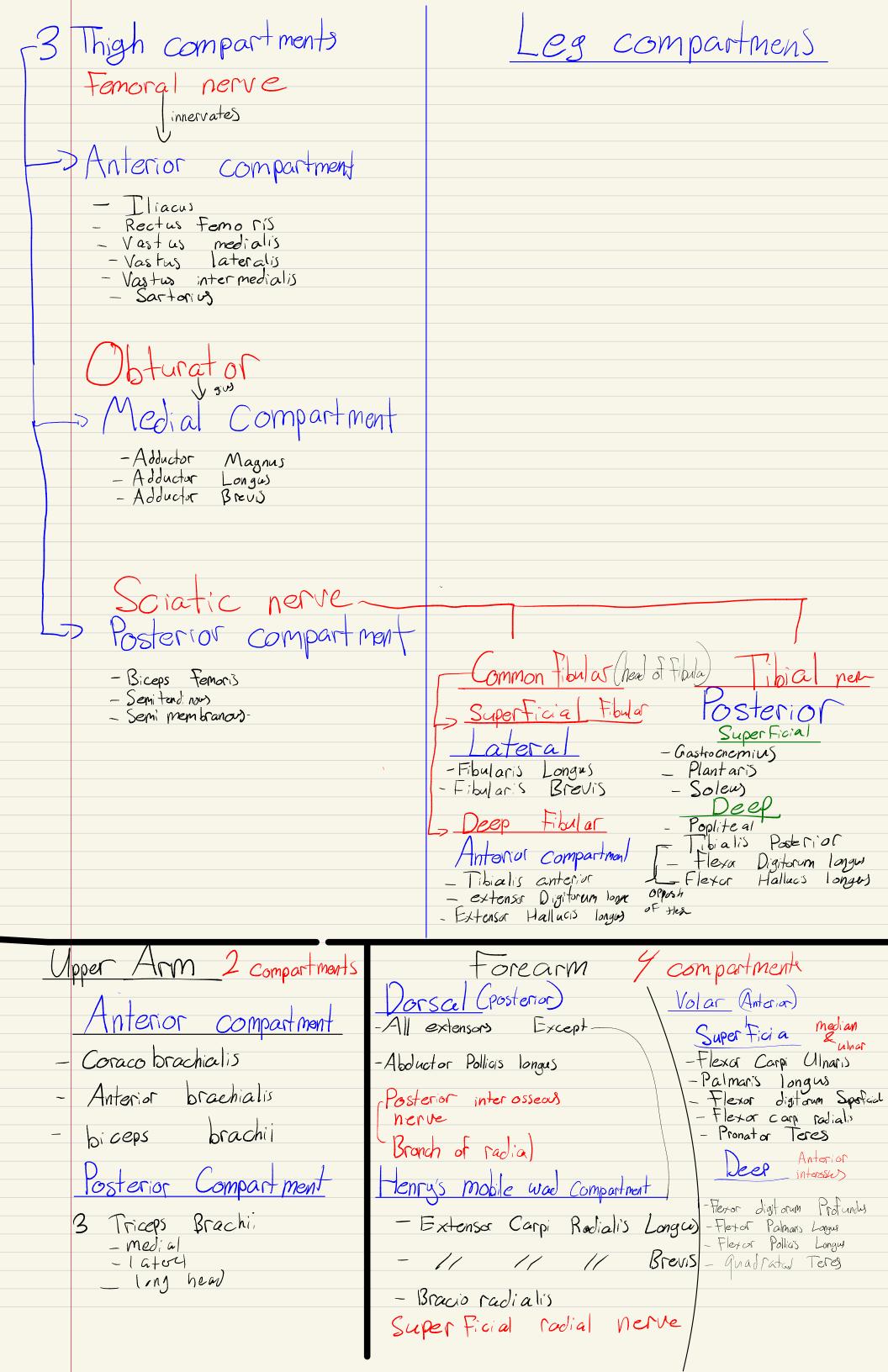


ORTHOPEDICS FORMS



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** Note: These forms are not fixed, sometimes they change a point in the form, so you must study the Orthopedic Examination Summary to be safer.

A form

Right Median Nerve Examination Golfer Elbow Examination collateral ligament of the Knee

B form

Impingement test for the Right shoulder
Right foot sensation
Right hip flexion contracture
De- Qurivane test

C form

Anterior interosseous nerve of the right hand. Limb Length Discrepancy (true and apparent) Examination of patellofemoral joint

D form

Right Biceps tendon Examination
Tennis elbow Examination
Trendelenberg gait Examination
Cruciate Ligaments Examination

E form

Examine the function of the Ulnar nerve
Finger Flexors examination (hand)
patella for effusion
Sensory examination of the foot and ankle

Form A

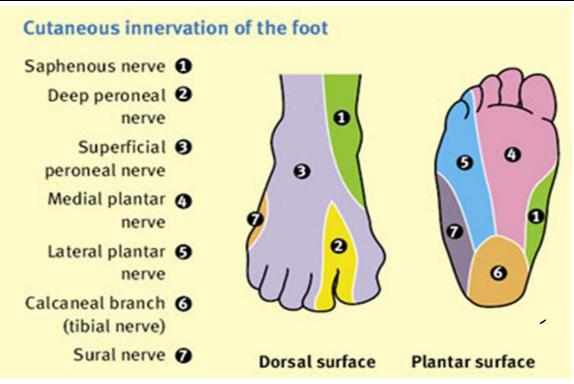
Median Nerve	
	Muscle wasting on thenar eminence,
	• Cut wound,
Look	 Deformities (ape hand and pointing sign),
	• Ulcers,
	• Skin & Scars
Feel	 2-point discrimination on tip of the fingers (5 mm is normal)
Motor	 Thumb Abduction (Against resistance – The Abductor Pollicis Brevis
	APB)
	Anterior Interosseous Nerve:
	- OK Sign
	- FPL – Flexor pollicis longus – Flexion of the thumb
Special	 FDP – Flexor digitorum profundus – Flex hand and both
Test	interphalangeal joints
	• Carpal tunnel syndrome:
	- <i>Tinel's</i> Test
	- <i>Phalen's</i> Test
	Golfers Elbow
Look	No deformities
Feel	Local tenderness on the medial epicondyle
Move	 Flexion against resistance on the wrist & fingers (on PIP) then passive
	stretching (extension)
	Collateral Ligaments
Look	No deformities, scars
Feel	For local tenderness
Move	 on full extension: varus & valgus on joint line (to determine the joint
	line by doing flexion of the knee, locate the joint line then do
	extension). If the patient was tense, put leg under your armpit
Special	• Stress Tests: Varus and Valgus: on 30 degrees flexion
Test	• Faber Test – Figure of 4: leg on the other leg and do varus force to
	check for lateral collateral (my feel it as a cord like)

Form B

	Impingement Test for the Right Shoulder	
Look	Muscle wasting, deformities	
Feel	• Tenderness	
Move	• 3 Tests for Supraspinatus Muscle:	
	a. Painful arch: pain on abduction, 60-120 degrees	
	b. Impingement sign: abduction, flexion and internal rotation	
	c. Impingement test: if positive, inject lidocaine into the joint if it got better then	
	it's a tendon problem	
	a 1 Tost for Infrasningtous and Toros Minore	

- 1 Test for Infraspinatous and Teres Minor:
- External rotation against resistance
- 2 Test for Subscapularis:
- a. Left off test
- b. Resisted left off test

Right Foot Sensation		
Look	For muscle wasting	
Feel	Sensation as depicted	



	Right Hip Flexure Contracture (Thomas Test)
Look	 Any deformities, scars, abnormal skin changes
Move	Can be done in 2 ways: do it bilaterally:
	a. Put your hand under the spine of the patient and ask the patient to flex the
	thighs, then ask the patient to extend on thigh. The patient can't extend the leg
	completely, so there's flexion contracture
	b. Put your hand under the spine and ask the patient to flex one leg, the lordosis
	will disappear and the other limb will raise (flex)
Deqervain Disease	
Look	Any deformities, scars
Feel	Tenderness on the styloid process of radius
Special	Fienkelstien test: thumb in fist and do ulnar deviation of the wrist

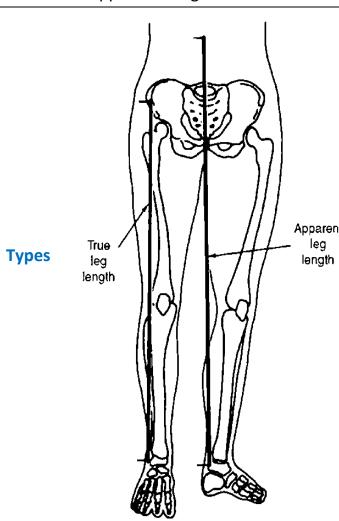
Test

Form C

	Anterior Interosseous Nerve Examination
Look	Muscle wasting, deformities
Feel	No Feel (Pure Sensory!)
Move	 FPL – Flexor pollicis longus – Flexion of the thumb FDP – Flexor digitorum profundus – Flex hand and both interphalangeal joints (on DIP)
Special Test	• OK sign (DIP must be flexed)

Limb Length Discrepancy

• Apparent Length can be examined by inspection



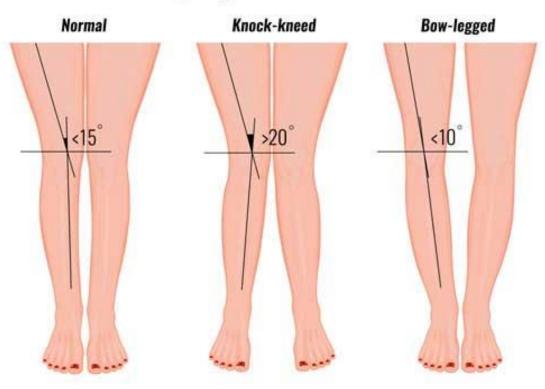
Look

- Apparent: From umbilicus (or xiphisternum) to mid-point of medial malleolus
- *True*: From ASIS to mid-point of medial malleolus
- Results:
- Apparent a. True abnormal, Apparent normal:

 leg
 length Compensated limb problem
 - b. True abnormal, Apparent abnormal: Uncompensated limb problem
 - c. True normal, Apparent abnormal: Above the limb (spine: scoliosis, pelvis)
 - Then we do the *Geliazzi test*: to know if the shortening is from the femur or tibia: which is done by: 45° of flexion on knee joint, the hip and feet is on same level. If the *patellas* are not at the same level > *Tibial* shortening. If the *tibial tuberosities* are not at the same level > *Femur* shortening.

Patellofemoral Joint	
Look	• Q Angle: By inspection or goniometer
	• Scars, Masses, scars
Feel	Tibial tuberosity, patellar ligament, patella and the undersurface of patella
Move	Extension only: active straight leg raising test and maintain it raised
	• Gliding: move the patella proximally and distally along the intercondylar grove,
	crepitus or pain (positive)
Special	 Grinding: displace the patella downward and ask the patient to contract
Test	quadriceps
	 Apprehension test: push the patella laterally with flexion, the patient will
	contract the quadriceps to return the patella to basic position

Q Angle of the Knee



Form D

	Right Biceps Tendon Examination
Look	Muscle wasting, deformities, scars
Feel	Feel the biceps tendon (anterolateral upper arm)
Move	Flexion of forearm and supination
Special Test	• Speed's Test: Flexion of the arm against resistance
	• Yergason's Test: Supination against resistance (with arms next to trunk)
	Tennis Elbow
Look	Any deformities, scars, wasting
Feel	Tenderness on the lateral epicondyle
Move	Extension of wrist and middle finger against resistance and then passive
	flexion
Trendelenberg Test	
Position	Standing
Exposure	Xiphisternum down to knee
Look	Look at the pelvis: steady or tilted
	• Ask the patient to stand on one leg, with your hand on the iliac crest, check
	to see if there's any tilting of hop on the opposite side and trunk (spine)
Technique	tilting to the same side
	 Problem: with the abductors or superior gluteal nerve (Gluteus medius,
	minimus)
	Cruciate Tests
	 Abnormalities, scars, swellings
Look	• Tibial Sagging test: with 90 degrees flexion, look if there's any posterior
	dropping, which indicate PCL injury
Feel	• Tenderness
	• Anterior drawer test (for ACL): on 90 degrees flexion, sit on the patient
	foot, your hands on the joint line (Tibia) and push anteriorly
Special Test	 Posterior drawer test (for PCL): same test but push posteriorly
	• Lachman test (for ACL): on 30 degrees flexion, your leg under the patients
	leg (to elevate) and fix the femur from the middle of the femur and elevate the tibia

Form E

	Ulnar Nerve
	 Hypothenar Atrophy, Interossie atrophy (metacarpals protruded)
Look	and first interosseous
	• Ulnar Claw Hand
Feel	Sensation from medial 1 and a half fingers by the 2-point
	discrimination
Move	 Abduction (against resistance) and adduction (with paper)
	• Forament test: for adductor pollicis with hand facing up (one hand
Special	at a time – don't do it for both hands together), positive if weak or
Test	if there's flexion of the thumb
	 Resisted abduction of small fingers: collapse of finger indicate a
	problem in that finger
	Flexors of the Hand
Look	Muscle wasting, scars
Feel	• Tenderness
Move	 Without resistance: Flexor digitorum profundus (FDP) – Distal
	interphalangeal Joint (DIP), Flexor digitorum superficialis (FDS) –
	Proximal interphalangeal Joint (PIP) – with other fingers passively
	extended
	 Also examine lumbricals metacarpophalangeal joints (MCP) and
	flexion of the thumb
	Patellar Effusion
Look	• Juxtrapatellar hollow sign: a groove seen on the medial side and
	then flex 90 degrees and check on the lateral side
Special	• Patellar tap: collect fluid from suprapatellar pouch then compress
Test	the patella, when there's effusion we feel resistance & fluctuation
	and once we stop compressing, our finders will return (rebound)

- Ripple test (Milking, stroke, cross fluctuation test):
- Milk the medial side
- Compress suprapatellar pouch: all fluid collected in lateral compartment
- Stroke on the lateral side
- Check to see if there's a bugle on the medial side

Sensory Examination of Feet and Ankle

• Seen in Form B

