TOTA	AL SCORE:	Student:
80%	= 200 (fema	
	192 (male	SP) Evaluator:
		PHYSICAL DIAGNOSIS 11
		T FOR COMPLETE PHYSICAL EXAMINATION – Revised Aug 2012
<u>BEFC</u>	ORE EXAM	
	_1.	Wash hands before starting examination.
		. <i>INSPECTION/VITAL SIGNS</i> - Patient Supine
	_2.	Measure blood pressure in one arm
	_3.	Place cuff snugly in correct anatomical location
		Teaching Point: Checks for postural changes in BP and pulse (check for changes within 1-2 ninutes of changing position) - supine → sitting → standing
	_4.	Measure respiratory rate for at least 30 seconds - Patient sitting
	_ ·. 5.	Palpate radial (thumb side of wrist)
	 _6.	Palpate for at least 15 seconds
	_7.	Palpate radial (wrist) pulses simultaneously for symmetry
Tota	l Possible	Score (vitals) Section A: 7 Score Achieved
<u>B. F</u>	HEAD AN	D NECK
	_8.	Inspect head and face for any abnormalities
	9.	Palpate scalp
	_10. F	Palpate thoroughly
		eaching Point: Palpate parotid glands and temporal arteries.
EYES		
		Position patient at height comfortable for examiner Estimate visual acuity (near or far) (uses pocket chart or distance at which patient can read newspaper)
	_12. E	Checks each eye separately
		Test visual fields by confrontation
		Teaching Point: Evaluate for extinction by double simultaneous stimulation
		nspect external ocular structures (lids, cornea, conjunctiva)
		Gently move eyelids up and down to obtain better view
		Evaluate extraocular muscle function in 6 directions
		Check for convergence
		Observe pupillary response to light (direct)
	_20. (Observe pupillary response to light (consensual)
Prep		nthalmoscopic exam Dim lights before ophthalmoscopic examination
		Hold ophthalmoscope properly and use index finger to switch lenses
	orms ophtha t Eye	almoscopic exam
		lold ophthalmoscope with right hand when inspecting patient's right eye
		nspect anterior structures with ophthalmoscope
		Hold ophthalmoscope at proper distance to visualize posterior structures in eye (i.e.,
		ppropriately close to patient's eye)
		nspect optic nerve
		race vessels in four quadrants
	_28. C	Observe macula (ask patient to look at light)
<u>Left l</u>		label and the local and with laft bound where the control of the first laft.
		Hold ophthalmoscope with left hand when inspecting patient's left eye
	_	nspect anterior structures with ophthalmoscope nspect optic nerve
		race vessels in four quadrants

ა.	Observe macula (ask patient to look at light)	
EARS		
34.	Observe auricles and postauricular regions bilaterally	
35.	Palpate auricles bilaterally	
36. 37.	Test auditory acuity (use rubbing fingers, ticking watch, low voice; Check these while standing behind the patient and having opposite ear occluded)	
37.	Teaching Point Perform Rinne and Weber tests if any evidence of decreased acuity (use	
	512Hz or 256Hz tuning fork)	
38.	Examine ears bilaterally with otoscope	
39.	Pull auricle superiorly, posteriorly, and away from the patient	
40.	Insert speculum without causing pain to the patient	
NOSE		
41.	Palpate for frontal sinus tenderness	
42.	Palpate for maxillary sinus tenderness	
	Teaching Point Transilluminate frontal, maxillary sinus (darken room; shine otoscope/nasal	
	transilluminator superiorly from superior orbital rim bilaterally and compare relative light	
	transmission through frontal sinuses; from inferior orbital rim direct light inferomedially and while	
	having patient open mouth, see if light shines through to hard palate for maxillary sinuses.)	
43.	Inspect nasal vaults with nasal speculum on otoscope	
44.	Insert speculum without causing pain to patient	
45.	Test for patency (openness) of both nasal passages (have patient compress one nasal orifice	
<u>MOUTH</u>	and ask patient to sniff through opposite opening)	
	allows the student to appreciate cancers of the lip, mucosa and tongue; cavities, periodontitis and esions in all areas of the mouth, including torus planus or lichen planus.	
46.	Examine patient without causing discomfort	
47.	Inspect lips, gums, buccal mucosa, palate and floor of mouth	
48.	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth	
48. 49.	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils	
48. 49. 50.	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils Inspect base and lateral elements of tongue using gloves and gauze	
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48. 50. 51. 52.	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils Inspect base and lateral elements of tongue using gloves and gauze Palpate floor of mouth with bimanual exam	
48. 49. 50. 51.	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils Inspect base and lateral elements of tongue using gloves and gauze Palpate floor of mouth with bimanual exam Palpate temporomandibular joint as patient opens and closes jaw	
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4849505152. NECK5354.	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils Inspect base and lateral elements of tongue using gloves and gauze Palpate floor of mouth with bimanual exam Palpate temporomandibular joint as patient opens and closes jaw Inspect neck for symmetry Palpate jugular notch to make sure trachea is midline (jugular notch midway between clavicular heads)	
48505152. NECK535455.	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils Inspect base and lateral elements of tongue using gloves and gauze Palpate floor of mouth with bimanual exam Palpate temporomandibular joint as patient opens and closes jaw Inspect neck for symmetry Palpate jugular notch to make sure trachea is midline (jugular notch midway between clavicular heads) Palpate carotid arteries, each side separately.	
48505152. NECK53545556.	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils Inspect base and lateral elements of tongue using gloves and gauze Palpate floor of mouth with bimanual exam Palpate temporomandibular joint as patient opens and closes jaw Inspect neck for symmetry Palpate jugular notch to make sure trachea is midline (jugular notch midway between clavicular heads) Palpate carotid arteries, each side separately. Auscultate carotid arteries for bruits	
485051525354555657.	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils Inspect base and lateral elements of tongue using gloves and gauze Palpate floor of mouth with bimanual exam Palpate temporomandibular joint as patient opens and closes jaw Inspect neck for symmetry Palpate jugular notch to make sure trachea is midline (jugular notch midway between clavicular heads) Palpate carotid arteries, each side separately. Auscultate carotid arteries for bruits Palpate thyroid in correct anatomical location	
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48505152. NECK53545556575859.	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils Inspect base and lateral elements of tongue using gloves and gauze Palpate floor of mouth with bimanual exam Palpate temporomandibular joint as patient opens and closes jaw Inspect neck for symmetry Palpate jugular notch to make sure trachea is midline (jugular notch midway between clavicular heads) Palpate carotid arteries, each side separately. Auscultate carotid arteries for bruits Palpate thyroid in correct anatomical location Examine thyroid from posterior position with 2 hands or from anterior position with 1 hand (patient's chin slightly flexed; sternocleidomastoid muscles should not be taut.) Palpate with and without swallowing	
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484950515253545556575859606061626262.	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils Inspect base and lateral elements of tongue using gloves and gauze Palpate floor of mouth with bimanual exam Palpate temporomandibular joint as patient opens and closes jaw Inspect neck for symmetry Palpate jugular notch to make sure trachea is midline (jugular notch midway between clavicular heads) Palpate carotid arteries, each side separately. Auscultate carotid arteries for bruits Palpate thyroid in correct anatomical location Examine thyroid from posterior position with 2 hands or from anterior position with 1 hand (patient's chin slightly flexed; sternocleidomastoid muscles should not be taut.) Palpate with and without swallowing **nodes:** Preauricular nodes*	
4849505152535455565758596060616263	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils Inspect base and lateral elements of tongue using gloves and gauze Palpate floor of mouth with bimanual exam Palpate temporomandibular joint as patient opens and closes jaw Inspect neck for symmetry Palpate jugular notch to make sure trachea is midline (jugular notch midway between clavicular heads) Palpate carotid arteries, each side separately. Auscultate carotid arteries for bruits Palpate thyroid in correct anatomical location Examine thyroid from posterior position with 2 hands or from anterior position with 1 hand (patient's chin slightly flexed; sternocleidomastoid muscles should not be taut.) Palpate with and without swallowing nodes: Preauricular nodes Posterior auricular nodes Occipital nodes Tonsillar nodes	
484950515253545556575859606162636464.	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils Inspect base and lateral elements of tongue using gloves and gauze Palpate floor of mouth with bimanual exam Palpate temporomandibular joint as patient opens and closes jaw Inspect neck for symmetry Palpate jugular notch to make sure trachea is midline (jugular notch midway between clavicular heads) Palpate carotid arteries, each side separately. Auscultate carotid arteries for bruits Palpate thyroid in correct anatomical location Examine thyroid from posterior position with 2 hands or from anterior position with 1 hand (patient's chin slightly flexed; sternocleidomastoid muscles should not be taut.) Palpate with and without swallowing nodes: Preauricular nodes Posterior auricular nodes Occipital nodes Tonsillar nodes Submandibular nodes	
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48495051525354555657585960616263646566	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils Inspect base and lateral elements of tongue using gloves and gauze Palpate floor of mouth with bimanual exam Palpate temporomandibular joint as patient opens and closes jaw Inspect neck for symmetry Palpate jugular notch to make sure trachea is midline (jugular notch midway between clavicular heads) Palpate carotid arteries, each side separately. Auscultate carotid arteries for bruits Palpate thyroid in correct anatomical location Examine thyroid from posterior position with 2 hands or from anterior position with 1 hand (patient's chin slightly flexed; sternocleidomastoid muscles should not be taut.) Palpate with and without swallowing **nodes:** Preauricular nodes Posterior auricular nodes Occipital nodes Submandibular nodes Submandibular nodes Anterior cervical nodes	
48495051525354555657585960616263646565	Inspect lips, gums, buccal mucosa, palate and floor of mouth Inspect all surfaces of all teeth Inspect posterior pharynx, uvula and tonsils Inspect base and lateral elements of tongue using gloves and gauze Palpate floor of mouth with bimanual exam Palpate temporomandibular joint as patient opens and closes jaw Inspect neck for symmetry Palpate jugular notch to make sure trachea is midline (jugular notch midway between clavicular heads) Palpate carotid arteries, each side separately. Auscultate carotid arteries for bruits Palpate thyroid in correct anatomical location Examine thyroid from posterior position with 2 hands or from anterior position with 1 hand (patient's chin slightly flexed; sternocleidomastoid muscles should not be taut.) Palpate with and without swallowing **Rodes:** Preauricular nodes Posterior auricular nodes Occipital nodes Submandibular nodes Submental nodes	

C. LUNGS

inspiration and expiration) 75.	
76. Auscultate posterior lung fields*77. Auscultate bilaterally and symmetrically78. Auscultate lateral lung fields*79. Auscultate bilaterally	
Prepare for anterior lung exam80. Drape patient appropriately:80. Draping If sitting: Have patient untie johnnie and expose anterior chest keeping the breasts draped. If supine: Untie johnnie. Drape sheet over abdomen and legs, and raise johnnie up from below	
81. Percuss anterior lung fields82. Percuss fields bilaterally and symmetrically	
83. Auscultate anterior lung fields*84. Auscultate fields bilaterally and symmetrically85. Auscultate in at least 6 places	
* If rales present, check for bronchophony, egophony, whispered pectoriloquy, Teaching Point: Check tactile fremitus bilaterally and symmetrically	
Total Possible Score (Lungs) Section C: 17 Score Achieved	
<u>D. BREASTS</u> (Female) <u>Axillary Node Palpation</u> With patient remaining in upright sitting position, examiner should:	
86. Palpate axillary nodes87. Use proper technique to palpate axillary nodes (Palpate all 4 folds - anterior, superior, medial and lateral)	
Breast Visualization 88. Use appropriate draping (Drape sheet over patient's lap; remove arms from johnnie and expose ar chest / breasts. Inspect musculature, skin surface and movement of both breasts as you direct the patient in the following maneuvers) 89. Patient sitting, arms at sides 90. Patient sitting, arms pressed to hips 91. Patient sitting, arms raised outstretched above head 92. Patient sitting, hands clasped behind head, "rocks" elbows forward and back 93. Patient sitting, leans forward with examiner taking patient's hands for support	

Breast Palpat	ion: (use any of these techniques: Vertical strip, radial spoke, circular)		
	supine position, examiner should have pillow placed under patient's head for support, then:		
94.	Use a draping technique to expose only the breast being examined while keeping other breast covered		
95.	Ask patient to place ipsilateral hand behind head.		
96.	Palpate breast using one of the 3 techniques listed above		
97.	Exert 3 levels of pressure using rotary motion of 2nd / 3rd / 4th fingertip pads		
98.	Palpate all tissue within breast boundaries (sternum, 5th rib, lateral lung field / axillary midline, clavicle)		
99.	When examiner reaches midline/areola, ask patient to assume oblique position (twist upper torso away from examiner); Proceed with palpation. Patient should now be asked to change arm position from behind head to forehead.		
100.	Palpate both breasts		
Total Possib	le Score (Female breast exam): 15 Score Achieved		
BREASTS	(Male)		
101.	Palpate axillary nodes (can also be done during breast exam)		
102.	Use proper technique to palpate axillary nodes		
	(Palpate all 4 folds - anterior, superior, medial and lateral)		
	Have patient pull up johnnie to expose precordium and breasts.		
103.	Use appropriate draping. (Drape sheet over pt's lap; remove arms from johnnie and expose		
	anterior chest / breasts.)		
104.	Palpate all 4 quadrants of each breast		
105.	Palpate nipples bilaterally		
106.	Palpate areolae		
Total Possib	le Score (Male breast palpation): 6 Score Achieved		
10(a) 1 03310	ie ocore (male breast palpation).		
<u>E. HEART</u>			
INSPECTION			
107.	Adjust johnnie to expose precordium		
108.	Observe precordium for visible movements		
109.	Elevate trunk 30 degrees and head and neck so jugular venous pulses are visible		
110.	Observe neck veins and estimate jugular venous pressure		
PALPATION			
	alpate carotid arteries (can be done with neck exam and is scored in neck exam; alternatively, can		
	done now to time heart sounds)		
111.	Palpate costochondral junctions		
112.	Compress rib cage anteroposteriorly		
113. 114.	Palpate aortic area (2nd ICS-right)		
115.	Palpate pulmonic area (2nd and 3rd ICS-left) Palpate right ventricular area		
116.	Apical area (5th ICS-left) (Palpate for point of maximal impulse (PMI). If not palpable, have		
110.	patient roll into left lateral decubitus position and re-check.		
<u>AUSCULTATI</u>			
	<u>m</u> of stethoscope to:		
	scultate carotid arteries (can also be done with neck exam and is scored in neck exam)		
117.	Auscultate aortic area		
118.	Auscultate pulmonic area		
119.	Auscultate tricuspid area (4th and 5th ICS at left sternal edge)		
120.	Augustitata anigal area		
	Auscultate apical area		
Use bell of ste	ethoscope to:		
Use <u>bell</u> of ste 121. 122.			

__ __123.

__124.

Auscultate pulmonic area

Auscultate tricuspid area.

125. Light pressure only applied to bell (Note: Listen with bell applied lightly to chest; too much pressure applied causes bell to function as a diaphragm)			
<u>Teaching Points</u> Have large-breasted female patients lift the left breast to expose apex for palpation and auscultation. For patient with murmur that requires further characterization, check effect of Valsalva, hand grip, squatting and/or standing.			
	murmur, use 'inching' technique to track murmurs (along aortic outflow tract to upper chest and tic systolic murmurs; toward apex for diastolic murmurs).		
	suspected aortic regurgitation, have patient sit up, lean forward and auscultate 2nd and 3rd left e with stethoscope diaphragm.		
For patient with suspected mitral valve disease: Ask patient to roll to left lateral position. Have female patient again lift breast. Relocate apex and place bell directly over it, very lightly. Auscultate apex with bell, listening specifically for S ₃ , S ₄ , diastolic rumble.			
Total Possibl	e Score (Heart) Section E: 19 Score Achieved		
F. ABDOME Prepare for the	EN abdominal exam: Examine patient from right side		
126. 127. 128.	Use proper draping technique to expose entire abdomen, but leave chest and pubis covered Teach patient to relax abdominal musculature Watch patient's face as you examine abdomen		
INSPECTION 129. Inspect abdomen for distention, scars, hernias, visible pulsations, venous pattern, bulging flanks			
AUSCULTATIO130131132133134135.	DN (before manipulation or palpation) Bowel sounds Left upper quadrant to include (L) renal artery Right upper quadrant to include (R) renal artery Right lower quadrant to include (R) iliac artery Left lower quadrant to include (L) iliac artery Aorta		
PERCUSSION136.	Percuss (or use scratch test) to determine liver span		
<u>PALPATION</u> 137. 138.	Left upper quadrant Palpate spleen with inspiration and expiration Teaching Point If splenomegaly suspected, roll patient to right lateral decubitus and palpate for spleen.		
139. 140. 141. 142.	Epigastrium to include aorta Delineate margins of aorta Right upper quadrant Use proper technique to palpate liver edge (palpate below right costal margin for liver as		

Alternatively, hook hands around ribs from above patient as patient inspires.)

Teaching Point If suspected ventral hernia, palpate abdomen standing, or as patient sits up.

After Abdominal Exam is complete:

patient hand.

__143.

__144.

___145.

____146. Palpate inguinal lymph nodes

Palpate right lower quadrant

Palpate left lower quadrant

Palpate liver edge with inspiration and expiration

147.	Auscultate for femoral bruit	
148. 149.	Palpate femoral pulse bilaterally Palpate one femoral pulse and radial or carotid pulse simulta	neously
143.	r alpate one remoral pulse and radial of carotid pulse simulta	neously
Total Possi	sible Score (Abdomen) Section F: 24 Sc	cored Achieved
G. ARTHR	ROSKELETAL EXAM	
NECK		
_	alpate neck (if not done previously; maneuvers scored in hea	d and neck exam)
150.	Test neck flexion	•
151.	Test neck extension	
152.	Test neck rotation left and right	
153.	Test lateral flexion of neck right and left	
UPPER LI	IMBS	
154.	Inspect bilaterally with outer clothes removed.	
HANDS		
155.	Inspect dorsal and palmar surfaces of hands (Note that this a	also tests pronation/supination of elbows
ROM of Hand	nd:	
156.	Make fist	
157.	Extend fingers into claw position	
158.	Full extension of fingers	
159.	Thumb opposition	
WRISTS		
160.	Flex, Extend	
161.	Abduct, Adduct	
162.	Tested with elbows locked	
163.	Palpate interphalangeal joints individually, right and left	
164.	Squeeze MCP joints together, right and left, if this causes pa	in, palpate each MCP individually
165.	Palpate wrists bilaterally	
166.	Test for Tinel's sign , right and left (tap on lateral wrist, volar	surface over median nerve)
167.	Have patient hold wrists in proper position to elicit Phalen's pressed together)	sign (ilexion of wrists with dorsum of har
EI DOME		
ELBOWS 168.	Flex, Extend	
160.	Propote Supinete	

169.	Pronate, Supinate
170.	Test with elbows locked
171. 172.	Palpate elbow, including medial and lateral epicondyles, olecranon and ulna just distal to olecranon Palpate epitrochlear nodes
SHOULDERS	
173.	Flex, Extend

174.	While fully abducted, test internal, external rotation
175.	Adduction [Note that adduction is also done during auscultation of lungs (checklist #68).]
	Have patient slip left arm out of johnnie / retie johnnie, exposing left shoulder and inspect
176.	Palpate left sternoclavicular joint
177.	Palpate left acromioclavicular joint
178.	Palpate left supraspinatus tendon (subacromial bursa); palpate over posterior/lateral shoulder for tenderness.
179.	Palpate left tendon of long head of biceps (bicipital groove)
	Have patient replace left arm in johnnie; remove right arm and retie to expose right shoulder and inspect.
180	Palnate right sternoclavicular joint

- _180. Palpate right sternoclavicular joint
 - 181. Palpate right acromioclavicular tendon
- _182. Palpate right supraspinatus tendon
- Palpate right tendon of long head of biceps (bicipital groove) Replace right arm in johnnie / retie __183.

Lower Limi	he
184.	Use proper draping to expose both legs (drape between legs, covering genital region.)
185.	Inspect bilaterally with outer clothes removed.
186.	Inspect feet, including toes.
HIPS	
1 0	Observe supine posture; (note that this also tests hip and knee extension.)
187.	Flex, right and left; (note that this also tests flexion of knee.)
188.	Internal rotation, External rotation, right and left
189.	Abduction, Adduction right and left
190.	Palpate greater trochanters, right and left Teaching Point Patrick Test (FABERE; Flexion, Abduction, External Rotation, and Extension),
	right and left - a smooth comprehensive maneuver that integrates maneuvers, 2,4,5; can add
	internal rotation and adduction)
KNEES	,
191.	Inspect, right and left
192.	Flex, extend, right and left
193. 194.	Palpate joint margin, popliteal space and anserine bursa Check for effusion (floating patella and bulge sign)
194. 195.	Test valgus and varus stability with knee slightly flexed (check for medial / lateral stability)
196.	Test anterior and posterior drawer sign (An alternative for anterior drawer sign, Lachman's test has you
	flex knee to 20 degrees, stabilize knee above patella, and attempt to move lower leg anteriorly)
197.	Perform McMurray's Test (extend knee from fully flexed position while internally rotating leg at ankle,
	repeat while externally rotating leg at ankle; look and feel for 'click' at knee with hand on knee)
ANKLE AND	FOOT
198.	Inpect ankle and foot
199.	Dorsiflex and plantar flex ankle and toes, right and left
200.	Evert and invert ankle
201.	Evert and invert forefoot, holding the heel steady Palpate ankle including Achilles tendon and its bursa
202. 203.	Squeeze MTP joint together, right and left; (<i>if this causes pain, palpate each joint individually</i>)
204.	Palpate interphalangeal joints individually
	Teaching Point If active range of motion is abnormal, or if pain / tenderness is elicited, then
	perform passive range of motion, careful inspecting for swelling / redness; and, palpation for
	increased warmth should be performed on that joint.
Palpate pulse	
205.	Popliteal Posterior tibiol
206. 207.	Posterior tibial Dorsalis pedis
207.	Check for peripheral pitting edema (over soft tissue of leg)
209.	Use proper technique to check for pitting edema
BACK - Patie	nt Standing
	aping to expose both legs (drape between legs and cover genital region.)
Goo propor an	aping to expect settines (at ape settines) rege and eaver german regionity
210.	Inspect for kyphosis, scoliosis
211.	Perform fist percussion of, or palpate, cervical, thoracic, lumbar, sacral vertebrae
212.	Perform fist percussion of costovertebral angle
213. 214.	Check for sacral edema Palpate SI joints
214. 215.	Palpate sciatic notch (<i>Palpate at midpoint of gluteal fold superiorly and anteriorly for pain.</i>)
Test ROM of 1 216.	<u>.</u>
216. 217.	extension lateral bending

217.

lateral bending

218.	rotation
219. 220.	Flexion Straight leg raising – Raise leg fully extended at knee, flexing hip; ask pt. to describe location and nature of discomfort
Total Pos	sible Score (Arthroskeletal) Section G: 71 Score Achieved
	ROLOGICAL-MUSCULOSKELETAL SCREENING EXAMINATION
MENTAL S	
221222223224.	Observe mood, affect, behavior Orientation (to person, time of day, day of week, month, place of examination, i.e. "Do you know where we are right now?". Language (name common objects; repeat "no ifs, ands or buts". Concentration: serial sevens from 100 or serial 3's from 20, depending on ability Short term memory: store and recall 3 unrelated items after several minutes Remote memory: dates of distant past events
Speech (Us	sually assessed during history) - Check naming, repetition; observe spontaneous speech
CRANIAL I	<u>NERVES</u>
225.	Test Nerve 1: Sense of smell – Ask pt. if there has been any change in smell or taste.
	Test Nerve II: (May be done with EENT)
	a. Visual acuityb. Visual fields
	Ophthalmoscopic (disc, blood vessels, retina)
	Test Nerves III, IV, VI: (May be done with EENT) a. Pupillary reaction to light and accommodation b. Extraocular movements
	Test Nerve V: Sensory function:
226.	Briefly test all 3 divisions for light touch and pinprick (<i>Test corneal reflexes bilaterally when appropriate</i> .)
227.	Motor function -Test Contraction of masseter (jaw) muscles or forced opening of mouth against resistance (mylohyoid and digastrics)
228. 229.	Test Nerve VII : (may be done with EENT) Motor function in mimetic musculature of the face: Raise eyebrows or forced eyelid closing Show teeth, puff out cheeks, or smile
	Test Nerve VIII: Hearing (may be done with EENT examination)
	Test Nerves IX and X : Observe elevation of palate vocalizing "ah" (<i>may be done with EENT</i>) Test gag reflex when appropriate.
230. 231.	Test Nerve XI: (may be done with Head and Neck Exam) Test rotation of patient's head against resistance Test shoulder shrug against resistance Test Nerve XII:
232.	Observe midline protrusion of the tongue. (may be done with examination of the mouth)
MOTOR ST Examine fo	<u>FATUS</u> unctional groups of muscles for strength.
UPPER LIN	MB STRENGTH
233.	Proximal Muscles (close to trunk – upper arms) Test for Pronator Drift (arms extended, supinated, fingers spread, eyes closed) OR testing upper arm strength against resistance.

234.	Distal Muscles: Test patient's grip OR have patient form ring with thumb and index finger which examiner tries to pry apart with both hands OR have patient spread fingers against resistance.
	B STRENGTH nuscles – Test standing unless pt. unable
235. 236.	Flex hip against resistance, pt.seated or supine Flex and extend knee against resistance, pt. seated or supine
DISTAL 237.	Dorsiflex and plantarflex foot against resistance, pt. seated or supine
feet.	push down on gas against resistance AND lift up feet against resistance AND test is done on both
Ask patient to	lift leg off table against resistance.
REFLEXES Deep tendon	reflexes (test bilaterally, using appropriate technique):
238.	Test biceps reflex (patient seated, hands relaxed in lap).
239.	Test brachioradialis reflex. (patient seated, hands relaxed in lap, or examiner supporting forearm).
240.	Test triceps reflex (patient seated, hands relaxed in lap, or examiner supporting arm abducted shoulder).
241.	Test quadriceps (patellar) reflex (patient seated with legs swinging freely OR if supine, with
242.	nee resting on examiner's wrist) Test Achilles reflex (patient seated, examiner may passively dorsiflex foot, OR if supine, rest ankle to be tested on other leg)
Cutonoous	
243.	eflexes: Test plantar reflex
243.	
243. CEREBELLA244.	Test plantar reflex IR FUNCTION Rapid alternating movements bilaterally – hands on thighs
243.	Test plantar reflex AR FUNCTION Rapid alternating movements bilaterally – hands on thighs Finger-to-nose bilaterally (patient must fully abduct arm to horizontal and extend elbow) Heel-Knee-Shin bilaterally (patient seated upright and not supine.
243. CEREBELLA244245.	Test plantar reflex IR FUNCTION Rapid alternating movements bilaterally – hands on thighs Finger-to-nose bilaterally (patient must fully abduct arm to horizontal and extend elbow)
243. CEREBELLA244245246.	Test plantar reflex REFUNCTION Rapid alternating movements bilaterally – hands on thighs Finger-to-nose bilaterally (patient must fully abduct arm to horizontal and extend elbow) Heel-Knee-Shin bilaterally (patient seated upright and not supine. Touch heel to opposite knee, slide down tibia to ankle then back to knee. Heel should be on front of shin and not hook heel over the tibia.
243. CEREBELLA244245246. SENSORY S247.	Test plantar reflex R FUNCTION Rapid alternating movements bilaterally – hands on thighs Finger-to-nose bilaterally (patient must fully abduct arm to horizontal and extend elbow) Heel-Knee-Shin bilaterally (patient seated upright and not supine. Touch heel to opposite knee, slide down tibia to ankle then back to knee. Heel should be on front of shin and not hook heel over the tibia. TATUS Demonstrate difference between sharp and dull stimuli
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243. CEREBELLA244245246. SENSORY S247248.	Test plantar reflex AR FUNCTION Rapid alternating movements bilaterally – hands on thighs Finger-to-nose bilaterally (patient must fully abduct arm to horizontal and extend elbow) Heel-Knee-Shin bilaterally (patient seated upright and not supine. Touch heel to opposite knee, slide down tibia to ankle then back to knee. Heel should be on front of shin and not hook heel over the tibia. TATUS Demonstrate difference between sharp and dull stimuli Test light touch and pin prick on both sides of trunk
243. CEREBELLA244245246. SENSORY S247248249250.	Test plantar reflex AR FUNCTION Rapid alternating movements bilaterally – hands on thighs Finger-to-nose bilaterally (patient must fully abduct arm to horizontal and extend elbow) Heel-Knee-Shin bilaterally (patient seated upright and not supine. Touch heel to opposite knee, slide down tibia to ankle then back to knee. Heel should be on front of shin and not hook heel over the tibia. TATUS Demonstrate difference between sharp and dull stimuli Test light touch and pin prick on both sides of trunk Test light touch and pin prick on 4 limbs, on at least one proximal and one distal site. Proprioception: demonstrate difference between moving toe up and down, hold toes along side edges
243. CEREBELLA244245246. SENSORY S247248249250251252. GAIT AND S	Test plantar reflex R FUNCTION Rapid alternating movements bilaterally – hands on thighs Finger-to-nose bilaterally (patient must fully abduct arm to horizontal and extend elbow) Heel-Knee-Shin bilaterally (patient seated upright and not supine. Touch heel to opposite knee, slide down tibia to ankle then back to knee. Heel should be on front of shin and not hook heel over the tibia. TATUS Demonstrate difference between sharp and dull stimuli Test light touch and pin prick on both sides of trunk Test light touch and pin prick on 4 limbs, on at least one proximal and one distal site. Proprioception: demonstrate difference between moving toe up and down, hold toes along side edges Test position sense in great toes bilaterally Test vibratory sense in both ankles using 128 Hz tuning fork (be sure pt. pereceives vibration, not pressure)
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Revised, April, 2000 John Solomonides, M.D. Eric Alper, M.D. Dave Hatem, M.D Mary O'Brien, M.D. Wendy Gammon, M.Ed., M.A.

Revised June, 2011: Hugh Silk, MD

Revised January 2012 Phillip Fournier, MD

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STUDENT 'S NAME:	
DATE:	

Score	Female	Male	
100%	250	241	
90%	225	216	
80%	200	192	

Exam Section Subtotals:

<u> </u>	
Section A (Vitals)	
Section B (Head and Neck)	
Section C (Lungs)	
Section D (Breasts Female)	
D (Breasts Male)	
Section E (Heart)	
Section F (Abdomen)	
Section G (Arthroskeletal)	
Section H (Neurological)	

For Question 1, Parts a and b, please circle yes or no for each item.

1.	(a) Did the examiner introduce himself/herself?(b) Did the examiner demonstrate ability to develop rapport?						No No			
For	For Questions 2 through 9, please circle the score which best describes the examiner's performance.									
	5 = always 4 3 = about 2 1 = very ra	half the	time							
2.	2. Did the examiner show concern for the patient's comfort and assure privacy during the examination?									
	5	4	3	2	1					
3.	Did the ex	aminer 4	present himself/herself ir 3	n a profe 2	ssional manner (verbal & 1	non-	verbal behavior?			
4.	Did the ex	aminer 4	explain procedures and p	orepare t 2	the patient for the use of i 1	nstru	ments?			
	Did the ex from one re 5			in a log 2	ical sequence without rep	etitio	n, progressing			
6.	Did the ex 5	aminer 4	examine and compare sy 3	ymmetric 2	cal parts of the body? 1					
7.	7. Did the examiner examine the patient with serial exposure appropriate to the steps of the examination?									
	5	4	3	2	1					
8.	Did the ex	aminer 4	examine the patient gent 3	ly when 2	there was patient contact 1	:?				
9.	Did the ex	aminer 4	demonstrate good percu 3	ssion ted 2	chnique? 1					

Additional comments: