

UNIVERSITY OF PRETORIA / UNIVERSITEIT OF PRETORIA

DEPARTMENT OF PAEDIATRICS AND CHILD HEALTH / DEPARTEMENT KINDERGENEESKUNDE

RUBRIC FOR CLINICAL EVALUATION OF BLOCK 10 (4TH YEAR LEVEL)

Score Punt	Clinical skill Kliniese vaardigheid	Professionalism	Analysis and synthesis	Conclusion
*25%	Technique unacceptably poor. Cannot find any clinical features even when prompted.	Give no attention to professionalism	No effort to analyze findings	Unacceptably Weak
*32% ↓ *38%	Misses important clinical features unless prompted. Omits large parts of the clinical assessment. Technique generally poor.	Give little attention to professionalism.	No effort to analyze findings	Very weak
*42% ↓ *48%	Mistakes and inadequate detail in clinical examination. Needs prompting to find clinical features.	Give little attention to professionalism	No effort to analyze findings	Weak
*52% ↓ *58%	Adequate level of clinical skill. Finds most of the important clinical features.	Satisfactory level of professionalism	No effort to analyze findings	Satisfactory
*62% ↓ *68%	Can give a reasonable complete assessment of the clinical state; Find all the important clinical signs. Technique used in examination is correct.	Professional in approach to patient	Trying to analyze findings.	Good
72% ↓ *78%	Presents a nearly complete clinical assessment of the patient. Technique used in examination is very good	High level of professionalism,	Good approach to analyzes of clinical signs	Very good
*85	Makes no mistakes and do not omit any part of clinical examination.	High level of professionalism, appropriately confident.	High level of integration, analyzes, clinical reasoning and knowledge.	Outstanding

- The score should be given as a percentage, within the different categories.



**SCHOOL OF MEDICINE
DEPARTMENT OF PAEDIATRICS**

**SKOOL VIR GENEESKUNDE
DEPARTEMENT INDERGENEESKUNDE**

GNK 481 - (Block 10)

OSCE

Growth Assessment

Time Allowed: 10 minutes

Station	
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Student Name	Student number																		
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The age or date of birth of the patient must be given.

Weigh and measure this child. Plot the values on an appropriate centile chart and interpret the growth.

Introduction and orientation Establishes rapport with patient and puts patient at ease	
Balance the scale Correctly weigh the patient (undress the child appropriately) Correctly measure the child (supine length if < 2years of age) Correctly measure the head circumference	
Select the appropriate centile chart Plot the values correctly	

Examiner to ask: "What is your conclusion about this child's anthropometry?"

MARKS	Unacceptably weak	Very weak	Weak	Satisfactory	Good	Very good	Outstanding						
	25%	32 - 38%	42 - 48%	52 - 58%	62 - 68%	72 - 78 %	85 %						
Examiner	Date:			2	0	1	1						

Examiner's comments please turnover (to be available as feedback to student)



GNK 481 (Block 10) (*Blok 10*)
OSCE / OSKE

Station ___ / Stasie ___

Vision and the eye examination
(including fundoscopy) Time allowed: 10 minutes

Instructions: Thomas Bheki is 10 years old. Examine his vision.

1. Introduction and orientation			
2. Using Snellen chart, tests visual acuity in each eye			
3. Using fine print, test visual acuity in each eye			
4. Remember to correct for refractive errors for 2 and 3			
5. Inspects pupils			
6. Tests direct and consensual pupillary reflexes			
7. Tests accommodation reflex			
8. Inspects for a squint			
9. Performs cover test or indicates need to do so			
10. Examine eye movements			
11. Tests for nystagmus			
12. Darkens room			
13. Asks patient to fixate on a distant object			
14. Indicates that patient should have had her pupils dilated			
15. Using fundoscope, tests for red reflex			
16. Using fundoscope, examines retinae			

Examiner's comments

STUDENT NAME _____ STUDENT NUMBER _____

EXAMINER _____ DATE _____



GNK 481(Block 10) (Blok 10)
OSCE/ OSKE

Station __ / Stasie __

Motor system of the lower limbs examination Time allowed: 10 minutes

Instructions: Ashley Bannerman is 4 years old. Examine the motor system of the lower limbs.

1. Introduction and orientation (checks identity, explain task, asks for consent)			
2. Positions and exposes patient appropriately			
3. Ensures that patient is not in any pain / there is no tenderness			
4. Inspects for abnormal posturing and deformities			
5. Inspects for size, shape, and symmetry of muscles			
6. Inspects for fasciculation			
7. Tests tone on both sides			
8. Tests power on both sides for: hip flexion and extension			
9. Hip abduction and adduction			
10. Knee flexion and extension			
11. Plantar flexion and extension			
12. Inversion and eversion of forefoot			
13. Elicits knee jerk on both sides			
14. Elicits ankle jerk on both sides			
15. Uses reinforcement appropriately			
16. Tests for clonus			
17. Tests for Babinsky sign			
18. Observes gait			

Examiner to ask: *"Please summarise your findings and offer a differential diagnosis"*

19. Summarises key findings			
20. Offers an appropriate differential diagnosis			

Examiner's comments

Total marks possible:

STUDENT NAME _____ STUDENT NUMBER _____

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GNK 481(Block 10) (Blok 10)
OSCE/ OSKE

Station__ / Stasie__ Time allowed: 10 minutes

Sensory system of the lower limbs examination

Instructions: Edward Kent is 8 years old. Examine the sensory system of the lower limbs.

1. Introduction and orientation (checks identity, explains task, asks for consent)	
2. Positions and exposes patient appropriately	
3. Ensures that patient is not in any pain / there is no tenderness	
4. Inspects legs	
5. Tests for light touch, comparing both sides as he goes along	
6. Tests for pain, comparing both sides as he goes along	
7. Has good knowledge of distribution of dermatomes	
8. Selects appropriate tuning fork	
9. Tests for vibration, comparing both sides as he goes along	
10. Tests for proprioception in both feet	
11. Performs Romberg's test	
12. Asks to carry out full neurological examination	

Examination to ask: "Please summarise your findings and offer a differential diagnosis."

13. Summarises key findings	
14. Offers an appropriate differential diagnosis	

MARKS	Unacceptably weak	Very weak	Weak	Satisfactory	Good	Very good	Outstanding
	25%	32 - 38%	42 - 48%	52 - 58%	62 - 68%	72 - 78 %	85 %

Comments

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EXAMINER _____ DATE _____



GNK 481 (Block 10) (Blok 10)
OSCE / OSKE

Station ___ / Stasie ___

Cranial nerve examination

Time allowed: 10minutes

Instructions: Boitumelo is 7 years old. Examine cranial nerves.

1. Introduction and orientation (checks identity, explain task, asks for consent)			
2. Asks patient whether she has noticed any change in her sense of smell			
3. Tests visual acuity on Snellen chart			
4. Tests near vision			
5. Tests visual fields by confrontation			
6. Offers to examine the eyes by direct fundoscopy			
7. Inspect pupils			
8. Tests direct and consensual papillary reflexes			
9. Performs cover test			
10. Examine eye movements			
11. Tests accommodation reflex			
12. Tests light touch in all three branches of trigeminal nerve			
13. Indicates that he or she could test corneal reflex			
14. Tests muscles of mastication			
15. Tests jaw jerk			
16. Tests for N VII			
17. Tests muscles of facial expression			
18. Tests N VIII; hearing, vestibular			
19. Tests for N IX; X; XII			
20. Tests gag reflex			
21. Tests tongue movements			
22. Tests N IX Neck and shoulder movements			

Examiner to ask: " Please summarise your findings and offer a differential diagnosis"

23. Summarises key findings			
24. Offers an appropriate differential diagnosis			

Examiner's comments

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GNK 481 (Block 10) (Blok 10)
OSCE / OSKE

Station __ / Stasie __

Time allowed: 10 minutes

Gait, co-ordination, and cerebellar function examination

Instructions: Michelle Neethling is 9 years old. Examine cerebellar function.

1. Introduction and orientation (checks identity, explains tasks, asks for consent)			
2. Inspects posture with patient in standing position			
3. Observes gait and arm swing			
4. Performs heel-to toe test			
5. Performs Romberg's test			
6. Tests for resting tremor			
7. Tests for orientation tremor			
8. Tests tone in elbows and wrists, comparing both sides			
9. Tests for dysdiadochokinesis on both sides			
10. Performs finger- to – nose test on both sides			
11. Tests fine finger movements on both sides			
12. Performs heel- to- shin- test on both sides			
13. Tests eye movements for nystagmus			
14. Asks patient to repeat "baby hippopotamus"			

Examiner to ask: " Please summarise your findings and offer a differential diagnosis"

1. Summarises key findings			
2. Offers an appropriate differential diagnosis			

Examiner's comments

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EXAMINER _____ DATE _____



GNK 481 (Block 10) (Blok 10)
OSCE / OSKE

Station __ / Stasie __

Time allowed: 10 minutes

Sensory system of the upper limbs examination

Instructions: Keneilwe Raborifi 8 years old. Examine the sensory of the upper limbs.

1. Introduction and orientation (checks identity, explain task, asks for consent)			
2. Ensures that patient is not in any pain / there is no tenderness			
3. Inspects arms			
4. Tests for light touch, comparing both sides as she goes along			
5. Tests for pain, comparing both sides as she goes along			
6. Has good knowledge of distribution of dermatomes			
7. Selects appropriate tuning fork			
8. Tests for vibration, comparing both sides as she goes along			
9. Tests for proprioception in both hands			
10. Indicates need to carry out full neurological examination			

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

11. Summarise key findings			
12. Offers an appropriate differential diagnosis			

Examiner's comments

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EXAMINER _____ DATE _____



GNK 481 (Block 10) (Blok 10)
OSCE / OSKE

Station __ / Stasie __

Paediatric history

Instructions: The mother of 10-year old Thomas Moore has some concerns about health.
Take a history from the mother.

Time allowed: 10 minutes

Introduction and orientation	PROFESSIONALISM
Begins with open questions	MAIN COMPLAINT
Establishes presenting complaint	
Asks about associated symptoms	
Assesses effect of symptoms on child's daily routine	
Carries out brief system review	
Past medical history, key aspects	
Family history, key aspects	
Social history, key aspects	
Addresses parent's concerns	

MARKS	Unacceptably weak	Very weak	Weak	Satisfactory	Good	Very good	Outstanding
	25%	32 - 38%	42 - 48%	52 - 58%	62 - 68%	72 - 78 %	85 %

Examiner's comments please turnover (to be available as feedback to student)

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EXAMINER _____ DATE _____



GNK 481 (Block 10) (Blok 10)
OSCE / OSKE

Station ___ / Stasie ___

Motor system of the upper limbs

Time allowed: 10 minutes

Instructions: Khanya is 6 years old. Examine the motor system of the upper limbs.

1. Introduction and orientation (checks identity, explain task, asks for consent)			
2. Ensure that patient is not in any pain / there is no tenderness			
3. Inspects for abnormal posturing			
4. Inspects for size, shape, and symmetry of muscles			
5. Inspects for abnormal movements			
6. Tests tone on both sides			
7. Tests power on both sides for: shoulder abduction			
8. Elbow flexion and extension			
9. Wrist flexion and extension			
10. Finger flexion and extension			
11. Thumb abduction and opposition			
12. Elicits biceps reflex on both sides			
13. Elicits supinator reflex on both sides			
14. Elicits triceps reflex on both sides			
15. Uses reinforcement when appropriate			
16. Carries out finger- to-nose test on both sides			
17. Tests for dysdiadochokinesis on both sides			

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

18. Summarises key findings			
19. Offers an appropriate differential diagnosis			

Examiner's comments

STUDENT NAME _____ STUDENT NUMBER _____

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GNK 481(Block 10) (*Blok 10*)
OSCE/ OSKE

Station__ / Stasie__

Urine sample testing and interpretation

Instructions: Talk through the various steps involved in urine sample testing.

Time allowed: 10 minutes

Indicates need to introduce self and explain procedure			
Indicates need to ensure that urine specimen is fresh			
Indicates need to ensure that urine specimen has been appropriately collected			
Puts on gloves			
Inspects colour and appearance of urine			
Stirs urine bottle			
Checks expiry date of dipsticks			
Briefly immerses dipstick into urine			
Hold strip horizontally			
Waits two minutes to interpret results			
Correctly identifies leukocytes ++			
Correctly identifies nitrites +			
Correctly identifies blood+			
Suggests a likely UTI			
Indicates need to send urine for microscopy and culture			
Indicates need to document results			
Discard dipstick and gloves in clinical waste bin			

Comments

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EXAMINER _____ DATE _____



GNK 481 (Block 10) (*Blok 10*)
OSCE / OSKE

Station __ / Stasie __

Neonatal examination

Time allowed: 10 minutes

Instructions: Carry out neonatal examination . The baby's mother: Mrs Buthelezi, is the room.

Introduction and orientation			
Takes a brief history from the mother			
Indicates need to wash hands			
Carries out general inspection			
Palpates anterior and posterior fontanelles			
Measures head circumference			
Inspects face for dysmorphological features			
Checks patency of ears and nostrils			
Tests red reflex and papillary reflexes			
Indicates need to test eye movements			
Inspects for cleft palate			
Tests for radiofemoral delay			
Auscultates heart			
Auscultates lungs			
Inspects sacral pit			
Checks position and patency of anus			
Inspects abdomen and umbilical cord			
Palpates abdomen for spleen, liver and kidneys			
Feels for femoral pulses			
Feels for undescended testes			
Carries out Ortolani testes			
Carries out Ortolani test			
Inspects arms and hands			
Tests range of movement in feet			
Indicates need to test posture and reflexes, e.g head lag, grasp reflex			
Addresses mother's concerns			

Comments

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EXAMINER _____ DATE _____



GNK 481 (Block 10) (Blok 10)
OSCE / OSKE

Station ___ / Stasie ___

Abdominal examination

Instructions: John is 8 years old. Examine his abdomen.

Time allowed: 10 minutes.

Introduction and orientation			
Exposes patient appropriately			
Positions patient appropriately and ensures that he is comfortable			
Inspects general appearance			
Inspects abdomen			
Inspects and examines hands			
Inspects sclera and conjunctivae			
Inspects mouth			
Palpates neck for lymphadenopathy			
Inspects upper body			
Abdomen: light palpation			
Abdomen: deep palpation			
Palpates for liver edge			
Palpates for tenderness over gallbladder region			
Palpates for enlarged spleen			
Ballots each kidney in turn			
Palpates descending aorta			
Tests for ascitis			
Percusses liver area			
Percusses suprapubic area			
Auscultates for abdominal sounds			
Auscultates for aorta and renal artery bruits			
Suggests examining the groin and genitals			
Suggests carrying out a digital rectal examination			
Examination to ask: " Please summarise your findings and offer a differential diagnosis."			
Summarises key findings			
Offers an appropriate differential diagnosis			

Comment

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GNK 481(Block 10) (Blok 10)
OSCE/ OSKE

Station__ / Stasie__

Hand washing

Instructions: You are about to examine a patient. Wash your hands.

Time allowed: 10 minutes

Thoroughly wets hands with warm water			
Applies liquid soap or disinfectant from dispenser			
Washes hands using Ayliffetechnique: palm to palm			
Right palm over left dorsum and vice versa			
Palm to palm with fingers interlaced			
Back of fingers to opposing palms with fingers interlocked			
Right thumb clasped in left palm and vice versa			
Fingers of right hand clasped in left palm and vice versa			
Wash for 1 minute			
Rinses hand thoroughly and appropriately			
Turns taps off with elbows			
Dries hands with paper towel			
Disposes of paper towel appropriately			

STUDENT NAME _____ STUDENT NUMBER _____

EXAMINER _____ DATE _____



GNK 481 (Block 10) (Blok 10)
 OSCE / OSKE

Station __ / Stasie __

Hearing and the ear examination

Time allowed: 10 minutes

Instructions: Phindile Mazibuko is 8 years old. Examine her hearing.

1. Introduction and orientation			
2. Establishes rapport			
3. Asks about and assesses any loss of hearing			
4. Tests hearing on both sides			
5. Carries out Rinne test			
6. Carries out Weber test			
7. Inspects pinnae on both sides			
8. Inspects behind ears on both sides			
9. Palpates auricular lymph nodes on both sides			
10. Using auroscope, inspects ear canal and tympanic membrane on both sides			

Examiner to ask: "Please summarise your findings and offer a differential diagnosis"

11. Accurately describe loss of hearing			
12. Correctly interprets Rinne test			
13. Correctly interprets Weber test			
14. Offers appropriate differential diagnosis			

Examiner's comments

STUDENT NAME _____ STUDENT NUMBER _____

EXAMINER _____ DATE _____



GNK 481(Block 10) (Blok 10)
OSCE/ OSKE

Station __ / Stasie __

Motor system

Time allowed: 10 minutes

Instructions: Examine the motor system of the child.
Remember the examination is long and realistic targets must be set by the examiner.

1. Introduction and orientation (checks identity, explain task, asks for consent)	
2. Ensure that patient is not in any pain / there is no tenderness	
3. Inspects for abnormal posturing	
4. Inspects for size, shape, and symmetry of muscles	
5. Inspects for abnormal movements: fasciculation	
6. Tests tone on both sides arms and legs; test clonus	
7. Tests power on both sides for: shoulder abduction; hip	
8. Elbow flexion and extension: knee	
9. Inversion and eversion of the forefoot	
10. Wrist flexion and extension; plantar flexion and extension	
11. Finger flexion and extension	
12. Thumb abduction and opposition	
13. Elicits biceps reflex on both sides; knee jerk both sides	
14. Elicits supinator reflex on both sides; ankle jerk on both sides	
15. Elicits triceps reflex on both sides	
16. Uses reinforcement when appropriate	
17. Carries out finger- to-nose test on both sides	
18. Tests for dysdiadochokinesis on both sides	
19. Test for Babinski sign	
20. Observe gait	
21. Other: Head circumference; Intellect; cerebellar signs, vision, hearing ect.	

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

22. Summarises key findings	
23. Offers an appropriate differential diagnosis	

MARKS	Unacceptably weak	Very weak	Weak	Satisfactory	Good	Very good	Outstanding
	25%	32 - 38%	42 - 48%	52 - 58%	62 - 68%	72 - 78 %	85 %

Examiner's comments please turnover (to be available as feedback to student)

STUDENT NAME _____ STUDENT NUMBER _____

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GNK 481 (Block 10) (Blok 10)
OSCE / OSKE

Station __ / Stasie __

Examination of a superficial mass and lymph nodes

Instructions: Colin is 8 years old. Please examine the lump on his arm.

Time allowed: 5 minutes

Introduction and orientation			
Ensures patient's comfort, asks about pain			
Inspects lump and overlying skin			
Palpates lump and assesses: temperature			
Number			
Size			
Shape			
Surface			
Consistency			
Mobility			
Trans illuminates lump			
Assesses whether lump is pulsatile			
Indicates need to examine proximal lymph nodes			
Examiner to ask: " Please summarize your findings and offer a differential diagnosis"			
Summarizes key findings			
Offers an appropriate differential diagnosis			

STUDENT NAME _____ STUDENT NUMBER _____

EXAMINER _____ DATE _____



GNK 481 (Block 10) (Blok 10)
OSCE / OSKE

Station ___ / Stasie ___

Cardiovascular examination

Examine the cardiovascular system. Time allowed: 10 minutes

The sequence / order of the examination vary according to circumstances, especially in the young child where cooperation cannot be expected. If an item is not applicable to the patient being examined this item can be ignored and the total possible marks can be adjusted.)

Introduction and orientation (to patient and /or parent if appropriate)			
Establishes rapport with patient			
Positions and exposes patient (this depends on age and circumstances)			
Inspects general appearance (acute / chronic, signs of dyspnoea, tachypnoea, count respiratory rate, use of oxygen, intravenous medication ext)			
Vital signs			
Signs of anemia, central cyanosis, polycythaemia, clubbing, lymphadenopathy			
Oedema (Peripheral, peri-orbital, sacral if appropriate)			
Palpate peripheral pulses			
Examine feet and legs, hands and arms.			
Examine Joints (if appropriate)			
Determines rate, rhythm, and character of radial pulse			
Assesses character jugular venous pressure (if age appropriate)			
Assesses character of carotid pulse			
Inspects precordium			
Determines location and character of apex beat			
Right para-sternal heave			
Listen at all auscultation points			
Examines the lungs			
Examines the abdomen			
Offers to record blood pressure			

Examiner to ask: "Please summarize your findings and offer a differential diagnosis."

The nature of the lesion, clinical pathological diagnosis			
Possible etiology (congenital, acquired, ext)			
Presence of complications (pulmonary hypertension, heart failure, pneumonia, ext)			
Offers appropriate differential diagnosis			

comments

STUDENT NAME _____ STUDENT NUMBER _____

EXAMINER _____ DATE _____



GNK 481 (Block 10) (Blok 10)
OSCE / OSKE

Station ___ / Stasie ___

Blood pressure measurement

Record the blood pressure of this child.

Time allowed: 10 minutes

Introduction and orientation	PROFESSIONALISM
Establishes rapport with patient and puts patient at ease	
Correctly positions patient's right arm	
Correctly positions vertical column	
Successfully locates brachial artery	
Selects and applies appropriately sized cuff	
Inflates cuff to appropriate level	
Correctly position stethoscope	
Reduces pressure in cuff at appropriate rate	
Accurately reports patient's blood pressure	
Accurately interprets the blood pressure reading for patient	

Examiner to ask: "What investigation would you carry out in a case of suspected hypertension"

Suggests confirming hypertension	
Suggests assessing for a possible secondary cause	
Suggests assessing for end-organ damage	

MARKS	Unacceptably weak	Very weak	Weak	Satisfactory	Good	Very good	Outstanding
	25%	32 - 38%	42 - 48%	52 - 58%	62 - 68%	72 - 78 %	85 %

Examiner's comments please turnover (to be available as feedback to student)

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GNK 481 (Block 10) (Blok 10)
OSCE / OSKE

Station __ / Stasie __

Respiratory system examination Time allowed: 10 min

Busisiwe Skosana is 4 YEARS old. Examine his respiratory system

Introduction and orientation			
Positions and exposes patient (depending on age and circumstances)			
Ensures patient's comfort			
Inspects patient's general appearance (acute, chronic, anxiety, restlessness, drooling, central cyanosis hydration, anemia, ext.)			
Vital signs (Pulse rate, rhythm, temperature, blood pressure, oxygen saturation)			
Sign of respiratory distress (Respiratory rate, breathing pattern, flaring, recession Presence and character of cough, wheezing stridor grunting, voice)			
Comment on severity of respiratory distress			
Interpretation of anthropometry			
Features of allergic facies (Long face, open mouth, shiners, Denne-Morgan lines, salute, nasal crease nasal discharge)			
Inspects and examines hands (clubbing)			
Abnormalities of shape of chest (bulging, barrel, Harrison sulcus, kyphosis, scoliosis.)			
Abnormalities of movement of chest (Symmetrical, Hoover sign paradoxes)			
Palpates for tracheal deviation			
Palpates cervical, supra-clavicular, infra-clavicular, and axillary lymph nodes			
Palpates for cardiac apex			
Vocal fremitus			
Percussion of chest (Timing of percussion depends on age and circumstances)			
Auscultation of chest (areas representing each lobe)			
Ear, nose and throat examination			
Examiner to ask: "Please summarize your findings (junior student) and offer a differential diagnosis. (senior student)"			
Summarize key findings : Which anatomical section is affected?			
What is the pathology?			
What is the cause of the disease?			
Degree of function compromised?			
Are there any complications?			
Offers an appropriate differential diagnosis			

STUDENT NAME _____ STUDENT NUMBER _____

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