

STATION 1

What is the view & structure shown in the printing copy?
----- view of ----- 1 point

What is the needle used in 1 ?&what is its usual gauge?
----- needle ,gauge ----- 1 point

What are the landmark of such a block ?
----- ----- 1point

What are the main value of such landmark?

----- 1.5points

Mention the main SITE difference for such a block {neuroplasty} & post operative pain relief ?
----- 1 point

What is the type of needle used for such a block in a 16kg child for post operative pain relief after herniotomy ?
----- 0.5point

What would be the concentration &volume of bupivacaine for this 16 kg child used for post operative pain relief ?
----- 1 point

Total /7

STATION 2

What is the needle used in 2 ?& its usual gauge ?

----- needle , gauge -----

1 point

What is the name of the block ?

1 point

What does it block ?

1 point

Where the tip of the needle should lie ?

1 point

What is its relation to the rectum ?

1point

Mention the commonest indications for its use in chronic pain ?

1 point

What could be the possible TYPES OF PAIN requiring both blocks[needle 1&2] for the same patient ?

0.5 point

Could these 2 blocks relevant to Cancer colon ?

0.5 point

Total

/7

STATION 3

Picture shown is a diagramatic presentation for pain intervention

What is the expected structure in yellow labeled 1 ?

1 point

&what does its function causes on Gastro Intestinal Tract ?

1 point

What is the structure labelled 2 ?

0.5 point

&what is the name of the technique given to its transfixion

0.5 point

Explain the superiority of transfixion to the old classic David Moore technique?

1 point

What is the structure labelled 3 ?& at which level it is pierced by 2?

----- pierced at level -----

1 point

What is the structure in yellow in 4?

1 point

Enumerate the roots involved?

1 point

What is the structure in yellow in 5?

0.5point

&what is it relation to 2 ?

0.5 point

STATION 4

A.A. aged 55 years is suffering from Pancoast tumour.

He has burning numbness in the left forearm & left hand
What is the preliminary diagnosis of such pain

0.5 point

How would you confirm clinically such a diagnosis?

0.5 point

He also suffers from electric shooting pain traversing the whole severely wasted arm.
Is an anticonvulsant or anti depressant drug ideal to manage such a symptom?

0.5 point

What will be the ideal available drug for both symptoms? describe drug regime ?

1 point

A block while supine was performed under C arm

What is the level of the spine shown by the long needle in Figure 1 :&why?

1point

The C arm was adjusted left oblique and a standard spinal needle was introduced at a
HIGHER LEVEL as shown in figure 2 .

What is the usual gauge of spinal needle used ?&why the terminal end is bent ?

1 point

Where should settle the tip of spinal needle in relation to the body of cervical vertebra
& the transverse process?

1 point

What does the dye show in figure 3?

0.5point

Would you recommend such a level without C arm & why ?

1 point

STATION 5

Mrs M. S. aged 43 years , is suffering from her back for the last 5 years. Nowadays the pain is mainly on the right shooting and going down until the small toes on the right side. She has severe pain in the early morning and on sneezing and on sitting for a long time. She gets the pain on walking for long distances in her right leg. She has never had any injection in the back before.

On examination she has positive straight leg raising on the right but not on the left. Right ankle reflex diminished. She has facet joint pains at L5/S1 both on the right and left. Her MRI shows mainly disc protrusion between L5&S1. I have arranged to do an intervention for both her leg pain& back pain.

What is the main nerve root compressed?

----- 0.5point

&why [mention at least 2 reasons]

----- 1
point

For intervention patient lied prone in the operating table.
What is the position of the C arm in figure 1?

----- 0.5point

Which nerve root is directly targeted ?

----- 0.5 point

What is the view in figure 2 ?

----- view 0.5 point

Where is the tip of spinal needle?

Posterior to ----- & below----- 1 point

What is the view in figure 3 ?

-----view 0.5 point

Why is it essential before injecting your medications ?

..... 0.5 point

What does the dye delineate ?

1point

What is the intervention required to relief her back pain ?

----- 0.5
point

Which view is required by the C arm?

----- view 0.5

point

STATION 6

Mr Y S is no more able to lifting tiles & heavy goods as he used to for the last 20 years..He has now difficulty in moving. He is walking very slowly with too much discomfort & has severe pain mainly at night. Mr Y. S is very rigid & leans forward on walking to ease his pain. Hot foment on his back also improves the pain .

On examination:

Painful walking, Bilateral Back Pain on active SLR but not in passive SLR.

Tender mainly L4 spine associated with bilateral paraspinal tenderness .This tenderness is exaggerated by HIP EXTENSION on both sides.

He has also bilateral pain in the lower back which is elicited on each side by flexion of hip & knee AND INTERNAL ROTATION.

He was advised besides his regular medications [tramadol & baclofen] to undergo interventions under C-arm& physiotherapy.

1- The first picture shows an AP view with 2 spinal needles inserted .
What is the site & level of needling?

1 point

2-The second picture shows a lateral view of the same procedure with the dye injected to delineate the proper depth. What is the target depth in relation to body of lumbar vertebra ?

1point

3-The 3rd AP picture shows the dye directed laterally. Explain why?

1

point

Mention the muscle injected & describe the exercise required to overcome this spastic muscle?

1 point

4-The 4th picture shows the 3rd intervention. What is the block ?

1

point

5-The 5th picture shows the 4th intervention[similar to the 3rd but on the other side] but the patient developed sciatic block .Explain the technical error?

1

point

Describe the exercise required to stretch this muscle?

1

point

Total Points

/7

STATION 7

1-Where is the source of radiation in the C-arm ?

Is it 1) or 2)

1 point

2-What is the dermatomal highlighted region in the picture provided corresponding to ?

0.5 point

Which reflex can be affected in such level ?

point

0.5

What does it denote a diminished reflex ?

1 point

3-Mention the name of the structure stained in red in the lumbar vertebra provided?

1 point

& mention which structure travel along the inner upper part of the transverse process of the lumbar vertebra ?

----- of -----

1 point

4-What is the name given to a needle with a 5mm active tip ?

1 point

& what could a 10cm needle length be used for [with 5mm active tip] in pain practice ?

1 point