

CPD QUESTIONNAIRE. MARCH 2020 VOL 19 NO 1

Fe	moral lengthening in children (Horn A, Sipilä M)	
1.		
a.	length discrepancy was: Post-infectious growth arrest	А
a. b.	Post-traumatic growth arrest	B
ю. с.	Hemihypertrophy	C
d.	Congenital short femur	D
e.	Achondroplasia	F
2.	Fifty per cent of patients in this study sustained a fractu either through or adjacent to the regenerate bone. Whi factor was not associated with an increased rate of fracture	ch
a.	Healing index	А
b.	Underlying diagnosis of congenital short femur	В
c.	Level of the osteotomy	С
d.	Percentage length gained	D
e.	Absolute length gained	Е
3.	Regarding the mean healing index (HI) in this cohort patients:	of
a.	The HI was comparable to other published series	А
b.	There was a significant association between the HI and the amount of length obtained	В
с.	An increased HI was associated with a higher rate of deep pin- site infection	С
d.	The HI was increased in patients with congenital shortening of the femur	D
e.	A decreased HI was not associated with an increase in fracture rate	E
Re	n epidemiology of paediatric cervical spine injuries at the ed Cross War Memorial Children's Hospital over a ten-year eriod (Noconjo L, Horn A)	
4.	The following are the characteristics of paediatric cervica spine anatomy <i>except</i> :	I
a.	Increased ligamentous laxity	А
э.	Wedge-shaped vertebral bodies	В
с.	Cervical lordosis	С
d.	Pseudo-subluxation	D
e.	Horizontal orientation of the facet joint	Е
5.	In this study, the most common cause of injury was:	
a.	Physical abuse	А
о.	Motor vehicle accident (MVA)	В
c.	Recreation and sports	С
d.	Drowning	D
e.	Gun shot	Е

6.	Children under 8 years of age sustained most cervical spine injuries at:	
a.	C1-C4	А
b.	C1-C2	В
C.	C3–C4	С
d.	C2–C7	D
e.	C5–C7	Е
ra	BF-FDG PET/CT as a modality for the evaluation of persist is is infective markers in patients with spinal tuberculo avis JH, Burger MC, Pienaar G, Lamberts RP)	
7.	A positive Gene Xpert test on tissue from a site with increased activity on a 18F-FDG PET/CT scan could fit w	ith:
a.	The presence of tuberculosis bacterial DNA in a healed TB lesion	А
b.	A myeloproliferative condition	В
C.	An alternate type of granulomatous infection	С
d.	A metastatic lesion	D
e.	All of the above	Е
8.	The only way to confirm the diagnosis of <i>ongoing</i> spinal tuberculosis infection after initial chemotherapy, is with:	
a.	Persistent raised ESR>100	А
b.	A positive 18F-FDH PET/CT scan	В
C.	A positive Gene Xpert test	С
d.	Histology showing a predominant leucocyte infiltrate	D
e.	Histology showing granulomatous inflammation	E
9.	The incidence of multi-drug resistant TB (MDR-TB) of the spine, as reported in this study and other supporting Western Cape-based studies, falls in the following range	
a.	1–5%	А
b.	5–15%	В
C.	15–25%	С
d.	1–3%	D
e.	5–25%	Е
ar or Jo	ne accuracy of pre-operative digital templating in total hip throplasty performed in a low-volume, resource-constrain thopaedic unit (Wiese KR, Kock FW, Blake CA, Franken T, ordaan JD)	ned
10.	The goals of total hip arthroplasty include:	
a. '	Restoration of normal hip biomechanics only	A
		_
b.	Pain relief only	В
C.	Pain relief only Pain relief, total correction of leg length discrepancy and no improvement in function	B C
	Pain relief only Pain relief, total correction of leg length discrepancy and no	

11.	In the templating process, as described by Bono, step 2 consists of:	
a.	Determining if a leg length discrepancy is present	А
b.	Determining the pelvis axis	В
C.	Determining the centre of rotation of the hip joint	С
d.	Determining the size of the femoral stem component	D
e.	None of the above	Е
12.	Katz et al. define a high-volume arthroplasty unit as t	he
	following:	
a.	More than 500 cases annually	A
b.	More than 1 000 cases annually	В
С.	More than 250 cases annually	С
d.	More than 100 cases annually	D
e.	None of the above	Е
	rgical anatomy of the sciatic nerve and its relationship	
	the piriformis muscle with a description of a rare variant	
_	small T, Gunston G, Venter R, Henry BM, Keet K)	
	What is the nerve root origin of the sciatic nerve?	٥
a.	L4, L5, S1, S2, S3	A
b.	L5, S1, S2, S3, S4	B
С.	S1, S2, S3, S4, S5	С
d.	L3, L4, L5, S1, S2	D
e.	L2, L3, L4, L5, S1	E
14.	In which region of the lower limb does the sciatic ner most commonly bifurcate into the common fibular and tib	
	nerves?	iai
a.	Gluteal	А
b.	Superior third of thigh	В
C.	Inferior third of thigh	С
d.	Popliteal	D
e.	Middle third of thigh	Е
	tramedullary nailing of tibial non-unions using the	
	prapatellar approach: a case series (Botma N, Graham S, eld M, Laubscher M)	
	The advantages of the suprapatellar nail above the	
	infrapatellar nail include the following except:	
a.	Easier and improved tibial alignment	А

b. Improved post-operative knee range of motion

С.	A decrease in the incidence of post-operative sepsis	С
d.	A decrease in the incidence of anterior knee pain	D
e.	Enabling a straight working channel for reamers in knee extension	E
16	. The surgical technique is this study included:	
a.	Reamed intramedullary nail using the suprapatellar approach	А
b.	Insertion of blocking (Poller) screws if needed	В
C.	Fibula osteotomy if fibula united	С
d.	Fracture site compression (controlled compression)	D
e.	All of the above	Е
17	 What was the union rate in this study? 	
a.	100%	А
b.	95%	В
C.	90%	С
d.	80%	D
e.	60%	E
B	ursal synovial chondromatosis overlying a solitary steochondroma of the distal femur: a case report (Tanwar Y	
P	otgieter M, Oosthuizen M, Schubert P, Ferreira N)	
18	. Which of the following might indicate malignant transfe	or-
10		
	mation of an osteochondroma?	
a.	mation of an osteochondroma? Acute onset of pain following direct trauma to a pedunculated	A
	mation of an osteochondroma? Acute onset of pain following direct trauma to a pedunculated osteochondroma	A
a.	mation of an osteochondroma? Acute onset of pain following direct trauma to a pedunculated osteochondroma Increase in size during puberty	A B
a. b.	mation of an osteochondroma?Acute onset of pain following direct trauma to a pedunculated osteochondromaIncrease in size during pubertyPain following physical exertion, like playing soccer	A B
a. b. c.	mation of an osteochondroma?Acute onset of pain following direct trauma to a pedunculated osteochondromaIncrease in size during pubertyPain following physical exertion, like playing soccerPresentation with multiple osteochondromasProgressive enlargement after skeletal maturity	A B C D E
a. b. c. d.	 mation of an osteochondroma? Acute onset of pain following direct trauma to a pedunculated osteochondroma Increase in size during puberty Pain following physical exertion, like playing soccer Presentation with multiple osteochondromas Progressive enlargement after skeletal maturity Osteochondromas represent true neoplastic lesions because 	A B C D E
a. b. c. d. e. 19 a.	 mation of an osteochondroma? Acute onset of pain following direct trauma to a pedunculated osteochondroma Increase in size during puberty Pain following physical exertion, like playing soccer Presentation with multiple osteochondromas Progressive enlargement after skeletal maturity Osteochondromas represent true neoplastic lesions becaus Both sporadic and hereditary forms are encountered 	A B C D E Se: A
a. b. c. d. e. 19	 mation of an osteochondroma? Acute onset of pain following direct trauma to a pedunculated osteochondroma Increase in size during puberty Pain following physical exertion, like playing soccer Presentation with multiple osteochondromas Progressive enlargement after skeletal maturity Osteochondromas represent true neoplastic lesions becaus Both sporadic and hereditary forms are encountered They have potential for malignant transformation 	A B C D E Se: A B
a. b. c. d. e. 19 a. b. c.	 mation of an osteochondroma? Acute onset of pain following direct trauma to a pedunculated osteochondroma Increase in size during puberty Pain following physical exertion, like playing soccer Presentation with multiple osteochondromas Progressive enlargement after skeletal maturity Osteochondromas represent true neoplastic lesions becaus Both sporadic and hereditary forms are encountered They have potential for malignant transformation They have the potential to grow during skeletal growth 	A B C D E Se: A B C
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a. b. c. d. e. 19 a. b. c. c. c. e.	 mation of an osteochondroma? Acute onset of pain following direct trauma to a pedunculated osteochondroma Increase in size during puberty Pain following physical exertion, like playing soccer Presentation with multiple osteochondromas Progressive enlargement after skeletal maturity Osteochondromas represent true neoplastic lesions becaus Both sporadic and hereditary forms are encountered They have potential for malignant transformation They have the potential to grow during skeletal growth They may be irritated by overlying structures They show underlying genetic abnormalities 	A B C D E e: A B C D E
a. b. c. d. e. 19 a. b. c. c. d. e. 20	 mation of an osteochondroma? Acute onset of pain following direct trauma to a pedunculated osteochondroma Increase in size during puberty Pain following physical exertion, like playing soccer Presentation with multiple osteochondromas Progressive enlargement after skeletal maturity Osteochondromas represent true neoplastic lesions becaus Both sporadic and hereditary forms are encountered They have potential for malignant transformation They have the potential to grow during skeletal growth They may be irritated by overlying structures They show underlying genetic abnormalities Osteochondromas have been shown to have underlying genetic abnormalities in which of the following genes? C-MYC and C-FOS 	A B C D E Se: A B C D E D E
a. b. c. d. e. 19 a. b. c. d. d. e. 20 a.	 mation of an osteochondroma? Acute onset of pain following direct trauma to a pedunculated osteochondroma Increase in size during puberty Pain following physical exertion, like playing soccer Presentation with multiple osteochondromas Progressive enlargement after skeletal maturity Osteochondromas represent true neoplastic lesions becaus Both sporadic and hereditary forms are encountered They have potential for malignant transformation They have the potential to grow during skeletal growth They may be irritated by overlying structures They show underlying genetic abnormalities Osteochondromas have been shown to have underlying genetic abnormalities in which of the following genes? C-MYC and C-FOS EWSR1 and FLI1 	A B C D E e : A B C D E D E ng A
a. b. c. d. e. 19 a. b. c. c. d. e. 20 a. b.	 mation of an osteochondroma? Acute onset of pain following direct trauma to a pedunculated osteochondroma Increase in size during puberty Pain following physical exertion, like playing soccer Presentation with multiple osteochondromas Progressive enlargement after skeletal maturity Osteochondromas represent true neoplastic lesions becaus Both sporadic and hereditary forms are encountered They have potential for malignant transformation They have the potential to grow during skeletal growth They show underlying genetic abnormalities Osteochondromas have been shown to have underlying genetic abnormalities in which of the following genes? C-MYC and C-FOS EWSR1 and FLI1 EXT-1 and EXT-2 	A B C D E Se: A B C D E D E Se: A B C D E B C D E Se: A B C D E Se: A B C D E Se: A B C D E Se: A B C D E Se: A B C D E Se: A B C D E Se: A B C D E Se: A Se Se: A Se Se: A Se Se: A Se Se: A Se Se: A Se Se: A S A S S A S A S A S A S A S A S A S

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