ORTHOPAEDIC CLINICAL QUIZ

The following questions are based on the photographs and images provided. Answers and further information are available in this issue.

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Question 1

This patient underwent hip surgery 10 years ago. A is a recent radiograph. B is the implant removed during revision surgery.

a) Name implant B.
b) What is the material used to manufacture implant B?
c) Explain why the implant failed.
d) What is the major force generated at C that led to implant failure?
e) How would you retrieve the broken implant and cement?

Question 2

This photograph is of a 28-year old male presenting with history of fever for 3 days and progressive painful lower limb swelling. There was no history of trauma.

a) What is the most likely diagnosis?
b) State two signs seen in the photograph.
c) State three expected intraoperative findings.
d) Outline the principles of management.

Question 3

A 10-year old boy presented with painful swelling of the right knee for 3 weeks.

a) List three radiological abnormalities in A.
b) List two abnormal findings in B.
c) Name investigation pictured in C and describe the findings.
d) State the diagnosis.
**Question 4**

A flap is shown covering the dorsum of the left hand.

a) Name the flap.
b) Classify the flap based on its blood supply.
c) Name the artery which supplies the flap.
d) What is the minimal duration before the flap can be detached?
e) List the advantages of this flap compared with a free flap.

**Question 5**

A 50-year old male presented with 2 months history of right shoulder pain after an injury. These are the radiographs taken of his right shoulder.

a) State the diagnosis.
b) Name the lesion marked by the arrow and state its significance.
c) List two possible causes of the injury.
d) State the treatment for this condition.
e) List three complications that may occur after this injury.

**Question 6**

This is a child wearing an orthosis.

a) Name the orthosis.
b) State the indication and the upper age limit for its use.
c) What are the functions of the straps indicated by blue and yellow arrow-heads?
d) Name two potential complications with the usage of this orthosis.