

Rajiv Gandhi University of Health Sciences, Karnataka

Fellowship Examination – 13-Feb-2024

Time: Three Hours**Max. Marks: 100 Marks**

ORTHOPAEDIC ONCOLOGY - PAPER – I

QP Code: 4283

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

Answer All The Questions**10 X 10 = 100 Marks**

1. Classification of failure of limb salvage after reconstructive surgery for bone tumours. Add a note on expandable megaprosthesis.
2. A 18 year old with osteosarcoma of femur shaft is planned for wide excision (14cms) and intercalary bone allograft reconstruction and plate reconstruction with regards to plate reconstruction, describe the ideal plates and screws to be used with rationale. Add a note on cement augmentation of the allograft. Mention the common modes of failure of the reconstruction.
3. Rehabilitation time-line following biological reconstruction of proximal tibia in a 10-year old.
4. Describe five important points of an ideal intramedullary stem for a distal femur prosthesis.
5. Need of mentoring and educating young orthopaedic surgeons about orthopaedic oncology.
6. Zoledronic acid in orthopaedic oncology.
7. Denosumab in Giant cell tumour of the bone. Present day indications, ideal regimen/protocol, relative contraindications with reasoning. Add a note on safety concerns of long-term denosumab.
8. Types of periosteal reactions seen in bone tumours. Add a note on common "do not touch" lesion with their characteristic radiographic appearance.
9. Image-guided biopsy in musculoskeletal oncology.
10. Amputation around the knee. Mention types, ideal stump length, common wound complications and methods to reduce them.

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