

# Rajiv Gandhi University of Health Sciences, Karnataka

## Fellowship Examination – 18-Feb-2025

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

### **ORTHOPAEDIC ONCOLOGY - PAPER – II**

#### **QP Code: 4284**

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. Staging and grading of malignant bone tumours.
2. Surgical treatment options of a 9 year old with high grade osteosarcoma of proximal tibia.
3. Classify Liposarcoma 50 year old operated at a secondary care facility for a lump on the thigh suspecting a lipoma, has presented to you with a post-operative report suggestive of Liposarcoma (grade 3). Explain further management of the patient.
4. Metastatic spinal cord compression. Red flags, scoring system and management based on any of the known guidelines/frame works.
5. Provide the treatment algorithm for a 10 year old boy who has been recently diagnosed with non-metastatic Ewings sarcoma of the humerus shaft. Include.
  - a. Regimen, duration of chemotherapy (with or without dose)
  - b. Indications, complications and timing of radiation therapy for this patient
  - c. Mention possible surgical options with advantages and disadvantages
6. Chondrosarcoma of the Pelvis - Brief the known poor prognostic factors for local recurrence and overall survival. Mention the types of pelvic resection and appropriate reconstruction methods for each type. A note on Harrington techniques/method of pelvic reconstruction.
7. Electrochemotherapy for bone metastasis.
8. Malignant round blue cell tumours. Differentials and management.
9. Explain treatment workflow in a 65 year old with recurrent non-metastatic sacral chordoma (S3-S5)
10. Internal Hemipelvectomy: Types, common complications, indications and recent advances in reconstruction.

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