## **Contents**

|                  | Section 1: Current Concepts and Intervention   |                   |
|------------------|--|-------------------|
| 1.               | Current Concepts in Cross-sectional Imaging of Musculoskeletal Diseases<br>Shivanand Gamanagatti, Ankur Goyal, Raju Sharma   | 3                 |
| 2.               | Nuclear Medicine Imaging for Musculoskeletal Disorders<br>Rakesh Kumar, Madhavi Tripathi, Shamim Ahmed Shamim  | 24                |
| 3.               | Angiography and Interventions in Musculoskeletal Lesions Deep Narayan Srivastava, Madhusudhan KS   | 41                |
|                  | Section 2: Infections of Bones and Joints  |                   |
| 4.               | <b>Tuberculosis of Bones and Joints</b> Gaurav Shanker Pradhan, Rashmi Dixit, Jyoti Kumar  | 57                |
| 5.               | Nontubercular Bone and Joint Infections<br>Anindita Sinha, Manphool Singhal, Kushaljit Singh Sodhi   | 70                |
| 6.               | <b>Tuberculosis of the Spine</b> Rashmi Dixit, Gaurav Shanker Pradhan, Radhika Batra   | 87                |
| 7.               | Nontubercular Infections of the Spine<br>Sameer Vyas, Manavjit Singh Sandhu, Ujjwal Gorsi  | 104               |
|                  |  |                   |
|                  | Section 3: Inflammatory, Metabolic and Degenerative Conditions   |                   |
| 8.               | Section 3: Inflammatory, Metabolic and Degenerative Conditions  Imaging in Rheumatological Disorders  Mandeep Kang, Gita Devi, Mahesh Prakash  | 121               |
|                  | Imaging in Rheumatological Disorders   | 121<br>142        |
| 9.               | Imaging in Rheumatological Disorders Mandeep Kang, Gita Devi, Mahesh Prakash  Degenerative Disease of the Spine  |                   |
| 9.<br>10.        | Imaging in Rheumatological Disorders Mandeep Kang, Gita Devi, Mahesh Prakash  Degenerative Disease of the Spine Jyoti Kumar, Anju Garg, Anjali Prakash  Skeletal Disorders of Metabolic and Endocrine Origin   | 142               |
| 9.<br>10.        | Imaging in Rheumatological Disorders Mandeep Kang, Gita Devi, Mahesh Prakash  Degenerative Disease of the Spine Jyoti Kumar, Anju Garg, Anjali Prakash  Skeletal Disorders of Metabolic and Endocrine Origin Alpana Manchanda, Jyoti Kumar, Swati Gupta  Osteoporosis  | 142<br>156        |
| 9.<br>10.<br>11. | Imaging in Rheumatological Disorders Mandeep Kang, Gita Devi, Mahesh Prakash  Degenerative Disease of the Spine Jyoti Kumar, Anju Garg, Anjali Prakash  Skeletal Disorders of Metabolic and Endocrine Origin Alpana Manchanda, Jyoti Kumar, Swati Gupta  Osteoporosis Chirag Kamal Ahuja, Mukesh Kumar Yadav, Vikas Bhatia, Ajay Kumar   | 142<br>156        |
| 9.<br>10.<br>11. | Imaging in Rheumatological Disorders Mandeep Kang, Gita Devi, Mahesh Prakash  Degenerative Disease of the Spine Jyoti Kumar, Anju Garg, Anjali Prakash  Skeletal Disorders of Metabolic and Endocrine Origin Alpana Manchanda, Jyoti Kumar, Swati Gupta  Osteoporosis Chirag Kamal Ahuja, Mukesh Kumar Yadav, Vikas Bhatia, Ajay Kumar  Section 4: Focal Bone Lesions and Bone Marrow Imaging  Diagnostic Approach to Focal Bone Lesions | 142<br>156<br>192 |

| 15.  | Swati Gupta, Sapna Singh, Alpana Manchanda  | 275 |
|------|---|-----|
|      | Section 5: MRI of Joints  |     |
| 16.  | Magnetic Resonance Imaging of Shoulder and Temporomandibular Joints  Mahesh Prakash, Paramjeet Singh                      | 313 |
| 17.  | <b>Magnetic Resonance Imaging of Wrist</b> Anindita Sinha, Harish Bhujade, Mahesh Prakash                                 | 341 |
| 18.  | Magnetic Resonance Imaging of the Hip and Pelvis<br>Anjali Prakash, Alpana Manchanda, Rashmi Dixit                        | 367 |
| 19.  | Magnetic Resonance Imaging of the Knee<br>Sapna Singh, Anjali Prakash, Gaurav Shanker Pradhan                             | 398 |
| 20.  | Magnetic Resonance Imaging of Ankle<br>Anindita Sinha, Mahesh Prakash   | 446 |
|      | Section 6: Miscellaneous MSK-trauma/Soft Tissue/Nerve/Prosthetics Imaging   |     |
| 21.  | Radiological Evaluation of Appendicular Trauma<br>Atin Kumar, Devasenathipathy Kandasamy, Arun Kumar Gupta                | 469 |
| 22.  | <b>Imaging of Soft Tissue Tumors</b> Ashu Seith Bhalla, Ankur Goyal, Priyanka Naranje                                     | 484 |
| 23.  | Imaging of Peripheral Nerves<br>Mahesh Prakash, Harish Bhujade, Anindita Sinha  | 504 |
| 24.  | Imaging in Prosthetic Joints<br>Ankur Goyal, Shivanand Gamanagatti  | 524 |
|      | Section 7: Breast Imaging and Interventions   |     |
| 25.  | <b>A Systematic Approach to Imaging of Breast Lesions</b><br>Smita Manchanda, Smriti Hari, Manisha Jana, Arun Kumar Gupta | 541 |
| 26.  | Benign and Malignant Lesions of the Breast<br>Smriti Hari, Smita Manchanda, Ekta Dhamija                                  | 573 |
| 27.  | Breast Interventions<br>Surabhi Vyas, Smriti Hari, Smita Manchanda  | 599 |
| 28.  | Advances in Breast Imaging Tulika Singh, Veenu Singla, Uma Debi   | 618 |
| 29.  | Male Breast Imaging<br>Veenu Singla, Tulika Singh, Nidhi Prabhakar  | 632 |
| Inde | ex  | 643 |