

**Chief Editor** Morio MATSUMOTO  
**Editorial Board** Ryosuke KURODA, Hisateru NIKI, Yukihiro MATSUYAMA  
Akinori SAKAI, Hiroyuki TSUCHIYA, Takuaki YAMAMOTO

## CONTENTS

### **FEATURE Revision of Clinical Practice Guideline on the Management of Hallux Valgus: Getting to Know the Trend of Treatment**

|                                                                                    |                          |
|------------------------------------------------------------------------------------|--------------------------|
| Preface .....                                                                      | Kota WATANABE • 127      |
| History of Hallux Valgus Treatment .....                                           | Ryuzo OKUDA • 129        |
| Epidemiology, Pathology, and Diagnosis of Hallux Valgus .....                      | Makoto KUBOTA • 137      |
| Conservative Treatment .....                                                       | Hirofumi TANAKA • 145    |
| Distal Metatarsal Osteotomy for Hallux Valgus .....                                | Kota WATANABE • 151      |
| Proximal Metatarsal Osteotomy for Hallux Valgus .....                              | Takayuki NISHIYAMA • 157 |
| 1st Metatarsal Diaphyseal Osteotomy .....                                          | Makoto HIRAO • 161       |
| Comparison of Outcomes of Different Osteotomy Sites for Hallux Valgus .....        | Jun-Ichi FUKUSHI • 167   |
| Surgical Methods Other Than 1st Metatarsal Osteotomy .....                         | Masataka KAKIHANA • 173  |
| Surgical Procedure for Pathological Conditions Associated with Hallux Valgus ..... | Daisuke NOZAWA • 181     |

### **ORIGINAL ARTICLES**

|                                                                                                                      |                              |
|----------------------------------------------------------------------------------------------------------------------|------------------------------|
| The Problem of the Japanese Orthopaedic Association Hip-Disease<br>Evaluation Questionnaire (JHEQ) Question 18 ..... | Ricoh HIRAO, et al • 187     |
| Risk Factors for Elbow Pain in Junior Baseball Players .....                                                         | Hironobu KOSEKI, et al • 191 |

### **CLINICAL EXPERIENCES**

|                                                                       |                                |
|-----------------------------------------------------------------------|--------------------------------|
| The Study of Treatment for Spontaneous Spinal Epidural Hematoma ..... | Kento WATANABE, et al • 203    |
| Relationship Between Osteoporosis and Serum Levels of Zinc .....      | Masayuki TAKAKUWA, et al • 211 |

### **CASE REPORT**

|                                                                                                       |                               |
|-------------------------------------------------------------------------------------------------------|-------------------------------|
| Endoscopic Extirpation of Symptomatic Nonunion of Anterior Calcaneal Process : A Case Report<br>..... | Yusuke YOSHIMOTO, et al • 219 |
|-------------------------------------------------------------------------------------------------------|-------------------------------|