

HAND AND UPPER LIMB

2

THE PARALYSED
HAND

Edited by Douglas W. Lamb

CHURCHILL LIVINGSTONE

Contents

- SECTION 1. Aetiology and Investigation** 1
- 1. Introduction** 2
P. W. Brown
 - 2. Clinical examination of the upper limb and hand** 18
P. W. Brown
 - 3. The anatomy of peripheral nerves in the upper limb** 29
G. Hooper
 - 4. The pathology of nerve compression and the role of electrophysiological testing in nerve compression and injury** 39
M. F. Macnicol and A. McInnes
 - 9. Obstetrical brachial plexus injuries** 116
A. O. Narakas
 - 10. The upper limb and hand in traumatic tetraplegia** 136
D. W. Lamb
 - 11. Surgical rehabilitation of the spastic upper limb in cerebral palsy** 153
E. A. Zancolli and E. Zancolli Jr
 - 12. Entrapment neuropathies** 169
M. F. Macnicol
- SECTION 2. Common Causes of the Paralysed Hand** 51
- 5. Surgical repair of peripheral nerve injuries** 52
H. R. McCarroll Jr
 - 6. Recovery of nerve function after replantation and toe transplant** 76
P. C. Leung
 - 7. The hand in leprosy** 84
P. W. Brand
 - 8. Traumatic brachial plexus injuries** 100
A. O. Narakas
- SECTION 3. Biomechanics of Tendon Transfer** 189
- 13. Biomechanics of tendon transfer** 190
P. W. Brand
- SECTION 4. The Management of Pain** 215
- 14. The management of pain** 216
G. E. Omer Jr
- SECTION 5. Role of the Therapist in Rehabilitation of the Paralysed Hand** 233
- 15. Role of the therapist in rehabilitation of the paralysed hand** 234
A. D. Callahan
- Index 247