

CLINICS IN PLASTIC SURGERY

JANUARY 1984

PERIPHERAL NERVE MICROSURGERY

Contents

Foreword.....	1
<i>Julia K. Terzis</i>	
Nomenclature in Peripheral Nerve Surgery	3
<i>Hanno Millesi and Julia K. Terzis</i>	
Mechanical Injury of Peripheral Nerves: Fine Structure and Dysfunction....	9
<i>John E. Castaldo and José L. Ochoa</i>	
Effects of Repeated Experimental Localized Freezings in the Distal Stump of Peripheral Nerve.....	17
<i>Jean-Claude Mira</i>	
Nerve Injection Injuries	27
<i>Alan R. Hudson</i>	
Effects of Repeated Denervation on Muscle Reinnervation.....	31
<i>Jean Claude Mira</i>	
Experimental Electrophysiologic Recordings: Interpretation of the Compound Action Potential	39
<i>Nelson Publicover and Julia K. Terzis</i>	
Clinical Electrophysiologic Peripheral Nerve Recordings	47
<i>Julia K. Terzis and Nelson Publicover</i>	
Electrical Assessment of Muscle Denervation.....	53
<i>Jean Raimbault</i>	
Functioning Muscle Transplantation to the Upper Limb	59
<i>Ralph T. Manktelow</i>	
The Anatomy of Free Vascularized Nerve Grafts.....	65
<i>Warren Breidenbach and Julia K. Terzis</i>	

Contents

Vascularized Sural Nerve Graft.....	73
Alain Gilbert	
The Painful Stump Neuroma and Its Treatment.....	79
H. Bruce Williams	
Present Thoughts on the Management of Pain in the Upper Extremity.....	85
George E. Omer, Jr.	
Functional Sensation and Its Reeducation.....	95
A. Lee Dellon	
Epineurial Versus Perineurial Repair of Peripheral Nerves	101
Michael G. Orgel	
Nerve Grafting.....	105
Hanno Millesi	
Brachial Plexus Injuries: Management and Results	115
Hanno Millesi	
The Management of Supraclavicular Lesions	121
L. Sedel	
Infraclavicular Lesions.....	127
J. Y. Alnot	
Paralysis in Root Avulsion of the Brachial Plexus: Neurotization by the Spinal Accessory Nerve.....	133
Y. Allieu, J. M. Privat, and F. Bonnel	
Experience with Vascularized Nerve Grafts.....	137
George Bonney, Rolfe Birch, Angus M. Jamieson, and Rosemary A. Eames	
Intercostal Neurotization of the Peripheral Nerves in Avulsion Plexus Injuries	143
Vinko V. Dolenc	
Neurotization of Avulsed Roots of Brachial Plexus by Means of Anterior Nerves of Cervical Plexus	149
Giorgio Brunelli and Luisa Monini	

Contents

Thoughts on Neurotization or Nerve Transfers in Irreparable Nerve Lesions	153
Algimantas O. Narakas	
Irradiation Plexitis of the Brachial Plexus	161
L. Clodius, G. Uhlschmid, and K. Hess	
Diagnostic Value of Peripheral and Spinal Somatosensory Evoked Potentials in Traction Lesions of the Brachial Plexus.....	167
S. J. Jones	
Rehabilitation of Patients Following Traction Lesions of the Brachial Plexus.....	173
C. B. Wynn Parry	
Review of Obstetrical Palsies: Nonoperative Treatment.....	181
Kenneth L. B. Brown	
Pages 189 to 196 have been deleted.	
Surgical Anatomy of Donor Sites for Free Muscle Transplantation to the Paralyzed Face.....	197
Sean G. L. Hamilton and Julia K. Terzis	
Management of Acute Extratemporal Facial Nerve Palsy.....	203
K. K. Lee and Julia K. Terzis	
Cross-Facial Nerve Grafting	211
Marcus Castro Ferreira	
Free Muscle Transplantation for Facial Paralysis.....	215
Ralph T. Manktelow	
Facial Nerve Grafting in Acoustic Neurinoma	221
Madjid Samii	
Index.....	227
Subscription Information	Inside back cover