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Nota di contenuto	Preface -- Acknowledgement -- Table of contents -- Section 1 Introduction: Microsurgery training organization and Principles -- Essential equipment -- Workspace organization -- Assembly of operating microscope -- Standard microsurgical instrumental set -- Essential suture materials review -- Features of working with magnification -- Microsurgical suture technique - End-to-end -- Microsurgical suture technique - Side-to side -- Microsurgical suture technique - Nerve suturing -- Specifies of working with an assistant -- Training curve -- Section 2 Basic Training exercises: How to start? -- Simple exercises -- Chicken hip and leg training model -- Chicken wing training model -- Perforator flap training model using a chicken leg -- Section 3 Microsurgery training on Rodents -- Maintaining of animal welfare -- Preoperative management and anesthesia -- Vascular anastomoses - Carotid artery -- Vascular anastomoses - Abdominal aorta -- Vascular anastomoses - Femoral artery -- Vascular anastomoses - Caudal artery -- Model of deep inferior epigastric artery flap -- Extremity reimplantation -- Section 4 Porcine model of flap harvesting -- Essentials of porcine housing -- Preoperative management and anesthesia -- Exposure of recipient vessel -- Latissimus dorsi Flap -- Vertical rectus abdominis flap and rectus abdominis muscle flap -- Gracilis Flap (TMG) -- Perforator Flaps -

Gluteal Flap -- Perforator Flaps - DIEP Flap -- Fibula Flaps -- Radial Forearm Flap -- Simulated reconstructive operations. .

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Sommario/riassunto

This book provides a practically applicable guide on how to develop essential microsurgery skills and successfully perform a range of procedures. Emphasis is placed within each chapter on equipping the reader with the necessary information to enable them to develop a strong foundational knowledge of every technique covered with clear step-by-step guides on how to perform a range of methodologies. Helpful tips are provided on how to avoid common pitfalls and enhance skill acquisition. Accompanying video material also reinforces the key points detailed. Topics covered include how to develop skills utilizing the porcine model of flap harvesting along with the use of animal models for techniques such as vascular anastomoses, anesthesia, and exposure of relevant recipient vessels. *Microsurgery Manual for Medical Students and Residents* is a detailed resource on how to acquire core microsurgery skills, making it an ideal resource for medical students and trainees seeking a resource on how to further develop their skills.

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