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Nota di contenuto	Section 1- Basic science : 1History and evolution of elbow arthroplasties -- 2 Epidemiology and demographics of elbow arthroplasties -- 3 Anatomy of the elbow and its influence on implant design -- 4 Kinematics and biomechanics in normal and replacement elbow -- 5 Surgical exposures in elbow arthroplasty. Section 2 - Total Elbow Arthroplasty: 6 Indications and surgical technique of primary elbow linked arthroplasty -- 7 Cement techniques: tips and tricks to improve fixation of implants -- 8 Total elbow linked arthroplasty in distal humeral fractures and distal humeral nonunion: peculiarities of surgical technique and expected results -- 9 Total elbow arthroplasty in rheumatoid arthritis and other inflammatory conditions: unlinked or linked replacement? -- 10 Total elbow linked arthroplasty in primary and post-traumatic arthritis: peculiarities of surgical technique and expected results .-11 Convertible total elbow arthroplasty: theoretical or real advantages? -- 12 Infection management in total elbow replacement: do effective guidelines exist? -- 13 Periprosthetic

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## Sommario/riassunto

This handbook provides detailed, state-of-the-art information on total elbow replacement, covering all relevant aspects, from basic science and pathogenesis to clinical and instrumental evaluation, and treatment techniques. Elbow arthroplasties have undergone a considerable evolution in recent decades due to better anatomical and biomechanical knowledge, continuous development of biomaterials, improvement of operative techniques and better definition of the surgical indications. This book enables readers to better understand the main indications, the outcomes and the complications following total elbow arthroplasty, radial head arthroplasty, radiocapitellar arthroplasty and distal humerus hemiarthroplasty. The closing section addressing the post-operative management of the patients who have undergone elbow replacement is provided in order to optimize the relationship between the orthopedic surgeon and the rehabilitation physician. Written by leading experts in the field, the book is an invaluable tool for experienced surgeons, orthopedic residents and shoulder fellows.