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Nota di contenuto	Part 1. Fundamentals and biomechanics of tendons and ligaments -- 1. Structure and function of tendon and ligament tissues -- 2. Biomechanical properties of tendons and ligaments in humans and animals -- 3. Mechanobiology of tendons and ligaments -- 4. Experimental methods for measuring tendon and ligament biomechanics -- 5. Imaging of tendons and ligaments in animal models -- Part 2. Repair and regeneration of tendons and ligaments -- 6. Autograft, allograft, and xenograft scaffolds for tendon and ligament repair: materials and biomechanics -- 7. Collagen for tendon and ligament repair: preparations and biomechanics -- 8. Synthetic polymer scaffolds for tendon and ligament repair: materials and

biomechanics -- 9. Cell therapies for tendons and ligament repair --
10. In vitro-in vivo biomechanical performance of tissue-engineered
constructs for tendon and ligament repair -- 11. Role of cellular
response in the healing process of tendons and ligaments -- 12.
Evolving treatments and emerging strategies for tendon and ligament
reconstruction.
