

1. Record Nr.	UNINA9910643782703321
Titolo	Human muscle fatigue [[electronic resource]] : physiological mechanisms
Pubbl/distr/stampa	London, : Pitman Medical Summit, N.J., : Distributed in North America by CIBA Pharmaceutical Co. (Medical Education Administration), 1981
ISBN	0-470-71542-1 0-470-71512-X
Descrizione fisica	1 online resource (326 p.)
Collana	Ciba Foundation symposium ; ; 82
Altri autori (Persone)	PorterRuth WhelanJulie
Disciplina	612.7/4 612.74
Soggetti	Fatigue - Etiology Muscles - Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Symposium on Human Muscle Fatigue: Physiological Mechanisms, held at the Ciba Foundation, London, 9-11 September 1980"--P. [v]. Editors: Ruth Porter (organizer) and Julie Whelan.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Human muscle fatigue: physiological mechanisms; Contents; Human muscle function and fatigue; Glycolytic and oxidative energy metabolism and contraction characteristics of intact human muscle; Discussion; Muscle fibre recruitment and metabolism in exhaustive dynamic exercise; Discussion; Relevance of muscle fibre type to fatigue in short intense and prolonged exercise in man; Discussion; Effect of metabolic changes on force generation in skeletal muscle during maximal exercise; Discussion; The glucose/fatty acid cycle and physical exhaustion; Discussion Shortage of chemical fuel as a cause of fatigue: studies by nuclear magnetic resonance and bicycle ergometryDiscussion; Indirect and direct stimulation of fatigued human muscle; Discussion; EMG and fatigue of human voluntary and stimulated contractions; Discussion; Firing pro- perties of single human motor units on maintained maximal voluntary effort; Discussion; Muscle fatigue due to changes beyond the

neuromuscular junction; Discussion; Contractile function and fatigue of the respiratory muscles in man\; Discussion; Neural drive and electromechanical altera- tions in the fatiguing diaphragm DiscussionThe tremor in fatigue; Discussion; The pathophysiology of inspiratory muscle fatigue; Discussion; Fatigue in human metabolic myopathy; Discussion; General discussion; The perception of fatigue; Electricity or chemistry?; Chairman's summing-up; Index of contributors; Subject index
