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Altri autori (Persone)	ThompsonRalph <1959->
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Microvascular function and inflammation in the senescent, neurodegenerative, and traumatized brain / W.M. Williams -- Qualitative and quantitative characteristics of the vascular network in the cerebral cortex / H. Michaloudi and G.C. Papadopoulos -- Changes of microcirculation in the lumbosacral nerve root and ganglia induced by mechanical compression / Shigeru Kobayashi, Hisatoshi Baba -- Relationship between the microcirculation and the pathological changes in the sporadic and variant forms of Creutzfeldt-Jakob disease (CJD) / Richard A. Armstrong -- Ultrastructural characterization of small vessel disease in skin biopsies in vascular cognitive impairment type subcortical small-vessel ischemic disease: preliminaries results towards pathophysiology and therapeutic aspects / Gabriel Arismendi-Morillo, Mary Fernandez-Abreu -- C-cell-blood barrier in the normal and guanethidine-sympathectomized rat thyroid : relationships between ultrastructure and efficiency of endogenous calcitonin transport / R.A. Krasnoperov ... [et al.] -- Oral microcirculation observed "in vivo" by videocapillaroscopy / G.A. Scardina, A. Ruggieri, P. Messina -- The prognostic role of nailfold capillaroscopy in the differential diagnosis of Raynaud's phenomenon / Francesca Ingegnoli, Silvana Zeni, Roberta Gualtierotti -- Research and application of microtechnique in diving medicine / Yuan Jinfu, Ji Zhongyi, and Lei Chengxiang.
Sommario/riassunto	This book explores the role that the cerebral microcirculation is known

to play in response to inflammatory processes, and reports current research findings that support the view that mechanisms of neuroimmunity may play a more central role in repair and maintenance of normal brain function than previously thought. The influence of the brain microcirculation on the development of the pathological changes in Creutzfeldt-Jakob disease (CJD) is also discussed. Also, the ultrastructural characterization of pathological aspects of cutaneous microcirculation in patients with vascular cognitive impairments are reviewed. Finally, Non-invasive diagnostic techniques, such as capillaroscopy and nailfold capillaroscopy are examined. The former technique is fundamental in viewing peripheral circulation and in studying microangiopathies. The non-invasive method of videocapillaroscopy is also discussed in relation to how it is used to observe the microcirculation characteristics of the human oral mucosa. Also, Raynaud's phenomenon, defined as bouts of reversible vasospastic ischemia typically manifested upon exposure to the cold and/or in association with emotional stress, are discussed in relation to nailfold capillaroscopy.