

1. Record Nr.	UNINA9910495206903321
Titolo	Peripheral lymphedema : pathophysiology, modern diagnosis and management // Ningfei Liu, editor
Pubbl/distr/stampa	Singapore : , : Springer, , [2021] ©2021
ISBN	981-16-3484-X
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (IX, 325 p. 299 illus., 278 illus. in color.)
Disciplina	616.42
Soggetti	Lymphedema Limfoedema Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part 1 Overview of lymphatic system -- 1 Physiology of lymphatic system (physiology of capillary filtrate flow to lymphatics) -- 2 Anatomy of lymphatic system -- 3 Formation and transport of lymph -- 4 Function of the lymphatic system -- Part 2 Lymphedema -- 5 Introduction -- 6 Etiology of primary lymphedema -- 7 Secondary lymphedema of different types -- 8 Stage of lymphedema -- Part 3 Pathogenesis of lymphatic system in lymphedema -- 9 Changes in lymphatic vessels in primary lymphedema -- 10 Changes in lymph node in primary lymphedema -- 11 Pathology of collecting lymph vessels in secondary lymphedema -- 12 Pathology of the initial lymph vessels in lymphedematous skin -- 13 Co-malformations of venous and lymphatic vessels in primary lymphedema -- Part 4 Pathology of lymphedematous tissue -- 14 Lymphedema fluid -- 15 Inflammation -- 16 Tissue overgrowth in lymphedema -- Part 5 Diagnosis of lymphedema - Assistant in diagnosis -- 17 Clinical diagnosis and differential diagnosis -- 18 MR lymphangiography (MRL) -- 19 Nuclear Medicine imaging in the diagnosis of Peripheral lymphedema -- Lymphoscintigraphy -- 20 Indocyanine green lymphography -- 21 Nuclear Medicine imaging in the diagnosis of Peripheral lymphedema -- Single-Photon Emission Computed Tomography/Computed Tomography(SPECT/CT) -- 22 Comparison of current imaging methods

in diagnosis of peripheral lymphedema -- Part 6 Treatment of lymphedema - conservative treatment -- 23 Compression Therapy -- 24 Complex Physical Decongestive Therapy for Lymphedema (CDT) -- 25 Far infrared radiation thermotherapy -- Part 7 Treatment of lymphedema - Surgical treatment -- 26 Suction Assisted Lipectomy with simultaneous skin excision for lymphedema -- 27 Microsurgery - Vascularized Lymph Vessel Transfer -- 28 Microsurgery - Lymphaticovenular anastomosis for the treatment of lymphedema -- 29 Microsurgery - Lymph node/flap transplantation -- 30 Microsurgery - Lymphatic Tissue Transfer for the Treatment of Axillary Dissection Related Lymphedema -- 31 Silicone tube implantation -- 32 Liposuction -- Part 8 Curative effect assessment -- 33 Circumference measurement -- 34 Bioelectrical impedance analysis -- 35 Skin fibrometer and Lymph Scanner -- Part 9 Lymphedema in children -- 36 Lymphedema in childhood -- Part 10 Prevention of tumor treatment related lymphedema -- 37 Prevention of lymphedema after breast cancer surgery -- 38 Prevention of pelvic malignancies and related lymphedema.

Sommario/riassunto

This book provides extensive knowledge of peripheral lymphedema, including the etiology and pathophysiology of the disease, as well as the anatomy and physiology of the lymphatic system and guide for the treatment of lymphedema to clinicians. The ultimate goal of lymphedema therapy is the targeted and individualized treatment. New technology of multimodality lymphatic imaging emerged in the recent years largely improves the diagnosis of lymphatic circulation disorders. The treatment of peripheral lymphedema is expected to have new achievement. This book illustrates the latest achievements in clinical and basic research of lymphedema to the clinical investigators as well as basic researchers. Pathogenesis of lymphatic system, diagnosis of lymphedema, treatment and further complication management are demonstrated in this book. Some special lymphedema related syndromes, issues on prevention and prognosis are also included.
