

Why this occurs
Patient factors
Options for reconstructions
Special considerations for donor site lymphedema
Expected Outcomes



WHAT IS THE PROBLEM?







Michael Fold, M.D.co Clodius, M.D.co Clodius, M.D.co Clodius, M.D.ratusphouloigy of Josephalams in our an engine. It is
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The Standar Standard Standard

"Lymphedema is not a surgical disease"

"It can be treated with application of specific physiotherapeutic measures free of any side effects"

Leo Clodius, M.D.;

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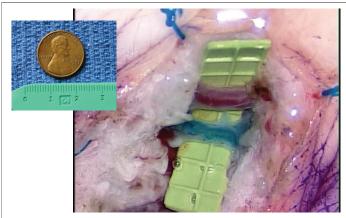
"Lymphedema is not a surgical disease"

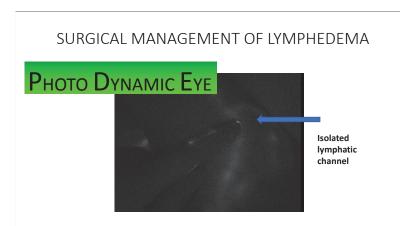
"It can be treated with application of specific physiotherapeutic measures free of any side effects"

ius, M.D.† Physicology and Patriophysicology of the Lymph Vascular System

"anastomosis of small vessels has been reported to give good results But what is a good result in surgery of lymphedema"

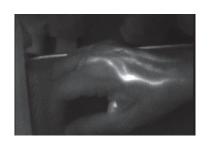


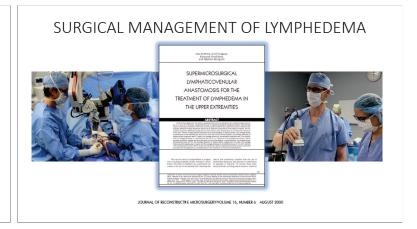


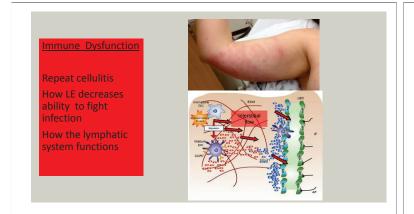








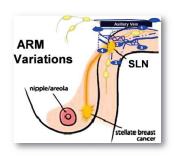


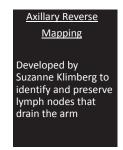


Lymphatic Anatomy

Different patterns of drainage

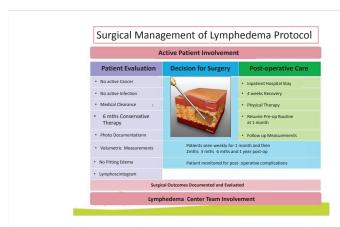
How the lymphatic channels connect to the nodes

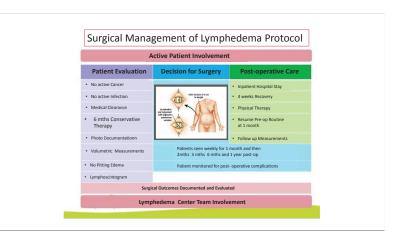


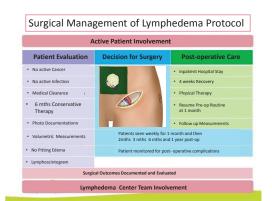


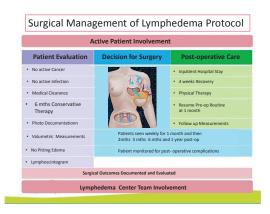


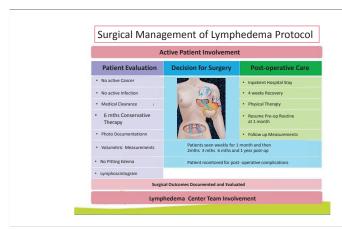












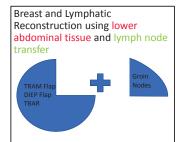


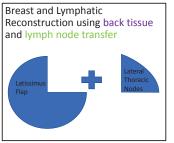


Establishing Goals and Expectations









SURGICAL MANAGEMENT OF LYMPHEDEMA



RECONSTRUCTION

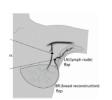
Total Breast Anatomical Reconstruction TBAR

Reconstructs breast and lymphatics using tissue and lymphatics from lower abdomen



Microvascular Breast Reconstruction and Lymph Node Transfer for Postmastectomy Lymphedema Patients Anne M. Saaristo, MD, PhD, Tarja S. Niemi, MD, Tiina P. Viitanen, MD, Tomi V. Tervolo, MD, Pouliina Hartidla, MD, PhD, and Erkki A. Suominen, MD, PhD

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RECONSTRUCTION

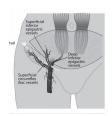
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Microvascular Breast Reconstruction and Lymph Node Transfer for Postmastectiomy Lymphedema Patients! Anne M. Saoristo, MD, PID, Targis S. Niemi, MD, Tiina P. Viltanen, MD, Tomi V. Tervolo, MD, Poullina Hartfold, MD, PhD, and Erkki A. Suominen, MD, PhD

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RECONSTRUCTION

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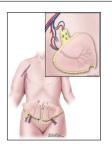
Microvascular Breast Reconstruction and Lymph Node Transfer for Postmastectomy Lymphedema Patients Anne M. Sauristo, MD, PhD, Tarja S. Niemi, MD, Tiina P. Viitanen, MD, Tomi V. Tervola, MD, Pauliina Hartiola, MD, PhD, and Erkki A. Suominen, MD, PhD

SURGICAL MANAGEMENT OF LYMPHEDEMA

Total Breast Anatomical Reconstruction



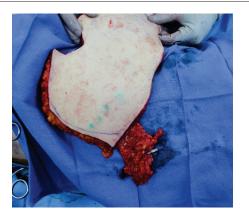
52 yo woman Hx of right breast cancer 2014 s/p mastectomy with radiation Right arm lymphedema Otherwise healthy No previous abdominal surgery An Algorithmic Approach to Simultaneous Vascularized Lymph Mode Transfer with Microvascular Breast Reconstruction Hearneier F. Ngwen, MM, FASCS, Schwarf L. Dang, MDL, Hiroo Ssami, MD, PROIDovid W. Chang, MD, FACS2 Dispartment of Plastic Surgery, MP, butlwersity of Teass MM Anderson Cancer Center, Mouston, TX, 2 Section of Plastic and Reconstructive Surgery. The University of Change Medicine & Biological Sciences, Chicago.





Ann Surg Oncol (2015) 22:2919–2924 DOI 10.1245/s10434-015-4408-4





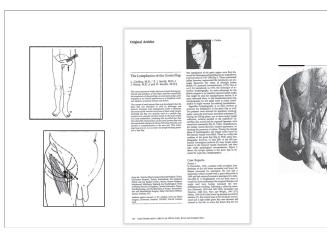
SURGICAL MANAGEMENT OF LYMPHEDEMA

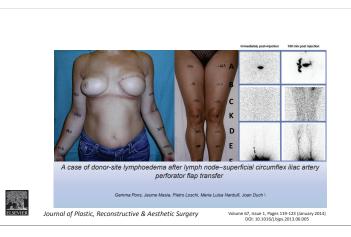
Total Breast Anatomical Reconstruction

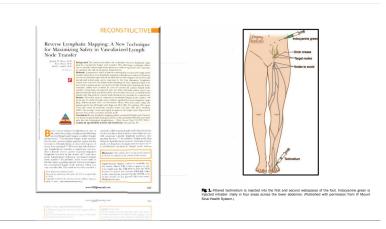


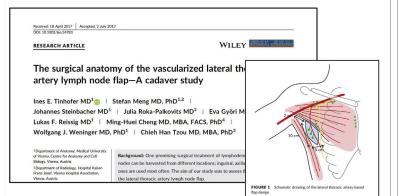












Simultaneous Breast Reconstruction and Treatment

Simultaneous Breast Reconstruction and Treatment of Breast Cancer-Related Upper Arm
Lymphedema With Lymphatic Lower Abdominal Flap
Chen, Ru MD'; Mu, Lan MD, PhD'; Zhang, Han MD'; Xin,
Minqiang MD, PhD'; Luan, Jie MD, PhD'; Mu, Dali MD, PhD';
Liu, Chunjun MD, PhD'; Ji, Kai MD'; Hu, Jiejie MD'; Sun, Jingjing
MD'; Xuan, Lixue MD'; Rong, Yongying MD'; Zheng, Liping MD⁶; Tang, Peng MD^{II}; Zhong, Xiaojie MD^{II}; Wu, Huangfu MD^{II}; Zou, Tianning MD^{II}; Yang, Zhuangqing MD^{II}; Becker, Corrine MD, PhD**

Annals of Plastic Surgery: <u>September 2014 - Volume 73 - Issue -</u>

<u>p S12–S17</u> doi: 10.1097/SAP.000000000000322



Combining Autologous Breast Reconstruction and Vascularized Lymph Node Transfer Edward I. Chang 1 Department of Plastic Surgery, University of Texas MD Anderson Cancer Center, Houston,

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DOI: 10.1055/s-0038-1632402



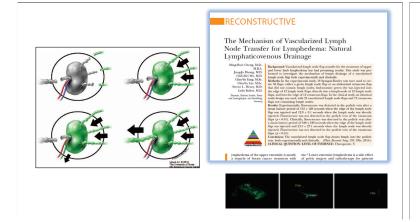
An Algorithmic Approach to Simultaneous Vascularized Lymph Node Transfer and Microvascular Breast Reconstruction

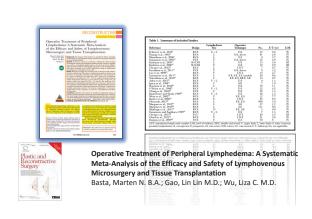
Alexander T. Nguyen, Edward Chang, Hiroo Suami, David W. Chang <u>Annals of Surgical Oncology</u> September 2015, Volume 22, <u>Issue 9</u>, pp 2919–2924

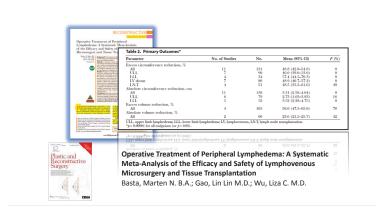


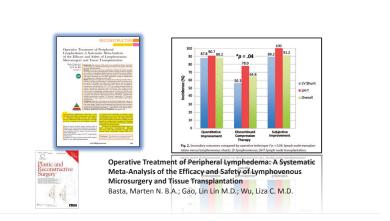
Latissimus dorsi flap with vascularized lymph node transfer for lymphedema treatment: Technique, outcomes, indications and review of literature Amir Inbal MD

Chad M. Teven MD
David W. Chang MD, FACS









SURGICAL MANAGEMENT OF LYMPHEDEMA

