Video Table of Contents

- **3.1** Scalp Split Thickness Skin Graft Geoffrey G. Hallock
- 7.1 Lipografter / Jackhammer Grafting Roger Karl Khouri Jr and Roger K. Khouri
- **7.2** Fat Grafting for Breast Reconstruction Michel Saint-Cyr
- 8.1 LV Bypass Preoperative Planning in Lower Extremity Lymphedema Michel Saint-Cyr
- **8.2** Lymphovenous Bypass Edward I-Fei Chang
- 8.3 Vascularized Groin Lymph Node Transfer for Upper Extremity Lymphedema Jaume Masia Ayala, Gemma Pons
- **8.4** Superficial Circumflex Iliac Artery Perforator Flap (SCIP Flap) for Lymph Node Transfer in Lymphedema Treatment

 Jaume Masia Ayala
- 8.5 Axillary Lymph Node Transfer for Lower Extremity Lymphedema Joseph H. Dayan
- **9.1** Trans Oral Robotic Surgery Jesse Selber
- **9.2** External View of Robotic LD Jesse Selber
- **9.3** Robotic Harvest of Rectus Abdominis

 Iesse Selber
- **9.4** Robotic Harvest of Latissimus Dorsi Jesse Selber
- **9.5** Robotic Microvascular Anastomosis Jesse Selber
- **9.6** Robotic Lymphaticovenous Bypass Jesse Selber
- **10.01** Exposure of Superficial Temporal Vessels Basel Sharaf
- **10.02** Exposure of the Facial Vessels Basel Sharaf

- **10.03** Exposure of the Transverse Cervical Vessels

 Basel Sharaf
- **10.04** Facial Nerve Anatomy Michael J.A. Klebuc
- **10.05** Facial Nerve Anatomy, Clinical Case Samir Mardini
- **10.06** Facial Nerve Anatomy and Stimulation Samir Mardini
- 10.07 Facial Reanimation: Masseteric nerve to Facial Nerve Transfer, Cross Facial Nerve Grafting Shai Rozen
- 10.08 Facial Reanimation: Preoperative Facial Markings, Preparation of Face on Recipient Side, Harvest of Partial Gracilis Functional Muscle Flap, Masseter Nerve Dissection, and Insetting of Gracilis to Paralyzed Side Shai Rozen
- 11.01 Trunk Anatomy, Internal Mammary Artery Exposure
 Basel Sharaf
- **12.01** Exposure of the Brachial Artery in the Medial Arm
 Karim Bakri and Marissa Suchyta
- **12.02** Exposure of the Distal Brachial Artery and Its Bifurcation in the Antecubital Fossa
 Karim Bakri and Marissa Suchyta
- **12.03** Exposure of the Radial Artery in the Wrist and Anatomic Snuffbox

 Karim Bakri and Marissa Suchyta
- **12.04** Exposure of the Ulnar Artery at the Wrist and Guyon's Canal

 Karim Bakri and Marissa Suchyta
- **13.01** Groin and Lower Extremity Landmarks
 Basel Sharaf
- **13.02** Exposure of Posterior Tibial Vessels
 Basel Sharaf
- **13.03** Exposure of the Dorsalis Pedis and Tibialis Anterior

 Basel Sharaf

13.04 Dorsalis Pedis Exposure

Christopher J. Pannucci, T. Shane Johnson, and L. Scott Levin

14.01 Ileocolon Flap for Reconstruction of the Hypopharynx, Cervical Esophagus, and Voice

Hung-Chi Chen and Samir Mardini

15.01 Babysitter Principle in Facial Reanimation Julia K. Terzis

- **15.02** Techniques of Cross Facial Nerve Grafting Julia K. Terzis
- **15.03** Gracilis Free Muscle Transfer for Facial Reanimation
 Julia K. Terzis
- **15.04** Pectoralis Minor Free Muscle Transfer for Facial Reanimation

 Julia K. Terzis
- 16.01 DIEP

Maurice Y. Nahabedian

16.02 Muscle Sparing Latissimus Dorsi Michel Saint-Cyr

- **16.03** Breast Reconstruction with DIEP Flap Using 3 Dimensional Molding Uros Ahcan
- 17.01 Chest Wall and Diaphragm Mesh Reconstruction Moving With Respirations Amanda K. Silva and David H. Song
- 17.02 Chest Wall Defect and Expanding Lung Amanda K. Silva and David H. Song
- 17.03 Flap Inset
 Amanda K. Silva and David H. Song
- **18.01** Component Separation Samir Mardini
- **18.02** Pedicled Innervated Vastus Lateralis Muscle for Abdominal Wall Reconstruction Case 1

 Jan Jeroen Vranckx
- **18.03** Pedicled Innervated Vastus Lateralis Muscle for Abdominal Wall Reconstruction Case 2

 Jan Jeroen Vranckx
- 18.04 Pedicled Innervated Vastus Lateralis Muscle for Abdominal Wall Reconstruction: Dissection Jan Jeroen Vranckx
- 19.01 Radial Forearm Free Flap Phalloplasty Jessica Lynch, Jens U. Berli, Richard J. Redett III

- 20.01 Great Toe Pulp Transfer to Reconstruct Non-Painful Sensate Index Pulp Part 1 Fu-Chan Wei, Jay Hsin-Hung Chen, Christopher G. Wallace
- **20.02** Great Toe Pulp Transfer to Reconstruct Non-Painful Sensate Index Pulp Part 2
 Fu-Chan Wei, Jay Hsin-Hung Chen,
 Christopher G. Wallace
- **20.03** Second Toe Flap for Index Finger Reconstruction

Fu-Chan Wei

- 21.01 Brachial Plexus Exploration and Exposure of Transverse Cervical Artery

 David Chwei-Chin Chuang
- **21.02** Adult Brachial Plexus Injury Clip 1 David Chwei-Chin Chuang
- **21.03** Adult Brachial Plexus Injury Clip 2 David Chwei-Chin Chuang
- 21.04 Shoulder Abduction Reconstruction By Transfer of Latissimus, Teres Major, and Clavicular Portion of Pectoralis Major David Chwei-Chin Chuang
- **22.01** Reconstruction of Foot Dorsiflexion with Rectus Femoris Functioning Muscle Transfer David Chwei-Chin Chuang
- **22.02** Keystone Island Perforator Flaps for Thigh Defects

 Michel Saint-Cyr
- 22.03 Endoscopically-Assisted Medial Sural Artery Perforator Flap Transfer for Foot Reconstruction Cheng-Hung Lin and Wyatt Ho
- **22.04** Pedicled Peroneal Artery Perforator Flap for Reconstruction of a Soft Tissue Defect Over the Tibia

 Cheng-Hung Lin
- **22.05** Peroneal Artery Perforator Propeller Flap Michel Saint-Cyr
- **22.06** Rectus Femoris Myocutaneous Flap David Chwei-Chin Chuang
- **23.01** Peroneus Function After Reconstruction Milomir Ninković
- **23.02** Facial Movement After Reconstruction Milomir Ninković
- **24.01** Cross-Tongue Nerve Grafting for Lingual Nerve Reconstruction

 Federico Biglioli

25.01	Microvascular Anastomosis of an Artery and
	Vascular Coupling of a Vein
	Robert I. Allen Sr

25.02 Microvascular Anastomosis of an Artery and Vein

Hung-Chi Chen

25.03 Airborne Suture Tying Technique Hung-Chi Chen and Samir Mardini

31.01 Forehead Flap Julian J. Pribaz

31.02 Facial Artery Myo Mucosal Flap Julian J. Pribaz

31.03 Submental Flap Julian J. Pribaz

32.01 Temporoparietal Fascia Flap for Auricular Reconstruction Zung-Chung Chen

32.02 Scalp Fascia Flap (Temporoparietal Fascia Flap) Geoffrey G. Hallock

32.03 Temporoparietal Fascia Flap Julian J. Pribaz

32.04 Bilateral Pedicled Temporalis Muscle Flaps for Reconstruction of a Complete Maxillectomy Defect

Ernesto Padula, Stefano Spanio Di Spilimbergo, Roberto Squaquara, and Ugo Baciliero

33.01 Flaps Michael R. Zenn

34.01 Pectoralis Major Flap Geoffrey G. Hallock

34.02 Pectoralis Major Flap Geoffrey L. Robb

35.01 Deltopectoral and Internal Mammary Artery Perforator Flaps Geoffrey L. Robb

37.01 Rectus Abdominis Flap Geoffrey G. Hallock

38.01 Jejunum Flap for Esophageal Reconstruction Hung-Chi Chen

38.02 Jejunum Flap Hung-Chi Chen

38.03 Supercharged Pedicled Jejunum Interposition for Esophageal Replacement Shanda H. Blackmon

39.01 Contralateral Trapezius Transfer Bassem T. Elhassan

40.01 Scapular and Parascapular Flaps Geoffrey G. Hallock

41.01 Latissimus Dorsi Flap Günter Germann

41.02 Latissimus Dorsi Muscle Flap Geoffrey G. Hallock

41.03 Latissimus Dorsi Flap Yener Demirtas and Ömer Özkan

41.04 Preoperative Markings Extended Latissimus Dorsi Michel Saint-Cyr

41.05 Latissimus Dorsi Flap for Breast Reconstruction Michel Saint-Cyr

41.06 Composite Osteomuscular Flap of Latissimus Dorsi and Rib Alexandru V. Georgescu

42.01 Iliac Flap Chih-Hung Lin

43.01 Groin Flap Chih-Hung Lin

43.02 SCIP Joon Pio (JP) Hong and Hyun-suk Suh

43.03 Groin Flap With Iliac Bone Harvest Based on the Superficial Circumflex Iliac Artery Chung-Chen Hsu

45.01 First Dorsal Metacarpal Artery Flap Steven L. Moran

45.02 Posterior Interosseous Flap Hung-Chi Chen

46.01 Extended Lateral Arm Flap Milomir Ninković

46.02 Lateral Arm Flap for Reconstruction of a Webspace Defect After Contracture Release Fu-Chan Wei

47.01 Reverse Radial Forearm Flap Joseph Upton and Amir H. Taghinia

47.02 Radial Forearm Flap Geoffrey G. Hallock

47.03 The Suprafascial Harvest of the Radial Forearm Flap

Fu-Chan Wei, Jason Su Shiuan-tzuen, Wyatt Ho, and Nidal Farhan Al Deek

- **47.04** Radial Forearm Flap, Suprafascial Dissection Fu-Chan Wei
- **47.05** Radial Forearm Flap, Suprafascial Fu-Chan Wei
- **47.06** Radial Forearm Flap for Buccal Defect Reconstruction

 Fu-Chan Wei
- **47.07** Radial Forearm Flap for Reconstruction of an Upper Lip Defect

 Fu-Chan Wei
- **47.08** Radial Forearm Fascia Flap Reverse Pedicled Nicholas B. Vedder
- 47.09 Radial Forearm Flap Dissection and Management of the Donor Site with a Full Thickness Skin
- **48.01** Distal Sural Flap Geoffrey G. Hallock
- 49.01 Segmental Gracilis Muscle Transfer for Smile in a Case of Möbius Syndrome Ronald M. Zuker, Gregory H. Borschel, Karen W.Y. Wong, Alison Snyder-Warwick,
- **49.02** Gracilis Flap Geoffrey G. Hallock

and Andrew Yee

- 49.03 Facial Reanimation (Second Stage)
 Reconstruction with a Gracilis Functioning
 Muscle Transfer
 David Chwei-Chin Chuang
- **49.04** Finger Flexion Reconstruction with Gracilis Functioning Muscle Transfer

 David Chwei-Chin Chuang
- **49.05** Gracillis Myocutaneous Flap Harvested for Functional Muscle Transfer

 David Chwei-Chin Chuang
- **49.06** Endoscopic Harvest of the Gracilis Muscle Chih-Hung Lin
- **49.07** Preoperative Markings for Transverse Upper Gracilis Myocutaneous Flap for Bilateral Breast Reconstruction Michel Saint-Cyr
- **49.08** Flap Harvest of Transverse Upper Gracilis Myocutaneous Flap for Breast Reconstruction Michel Saint-Cyr
- **49.09** Vertical Design Upper Gracilis Flap for Breast Reconstruction

 Michel Saint-Cyr

49.10 Stage 1 – Cross-Facial Nerve Grafting for Smile

Ronald M. Zuker, Gregory H. Borschel, Karen W.Y. Wong, Alison Snyder-Warwick, and Andrew Yee

- **49.11** Double innervated gracilis free-flap transfer for smiling reanimation

 Federico Biglioli
- **49.12** Diagonal Upper Gracilis Flap Joseph H. Dayan
- **50.01** Medial Gastrocnemius Flap Geoffrey G. Hallock
- **50.02** Lateral Gastrocnemius Flap Geoffrey G. Hallock
- **50.03** Medial Sural Artery Perforator Flap Seng-Feng Jeng
- **50.04** Medial Sural Artery Perforator Flap and Lateral Gastrocnemius Flap Geoffrey G. Hallock
- **50.05** Medial Sural Artery Perforator Flap Geoffrey G. Hallock
- **51.01** The Soleus Muscle Flap Geoffrey G. Hallock
- **51.02** Hemi-Soleus Distally Based for Lower Extremity Defect
 Nidal Farhan Al Deek and Chung-Chen Hsu
- **52.01** Fibula Osteoseptocutaneous Flap Fu-Chan Wei and Nidal Farhan Al Deek
- **52.02** Free Fibula Osteocutaneous Flap Harvest Edward I-Fei Chang
- **52.03** Harvest of the Fibula Osteoseptocutaneous Flap Via Anterior Approach
 Fu-Chan Wei
- **52.04** Fibula Osteoseptocutaneous Flap with Primary Osteointegrated Implants for Mandible Reconstruction

 Fu-Chan Wei
- **52.05** Fibula Flap for Obliteration and Osseous Reconstruction of a Persistent Frontal Basilar Fracture Infection Associated with Nasofrontal Outflow Tract Obstruction

 Eduardo D. Rodriguez
- **52.06** Reconstruction of the Mandible with the Preformed Matrixmandible and Fibula OSC Flap

Nidal Farhan Al Deek, Duretti Fufa, and Fu-Chan Wei

52.07 Proximal Fibula Flap with Growth

Marco Innocenti

- **52.08** Proximal Fibula Epiphyseal Transplant Marco Innocenti
- **54.01** Great Toe Transfer for Reconstruction of Metacarpal Hand: Planning and Recipient Site Preparation

Fu-Chan Wei, Hsin-Yu Sirena Chen, Ketan M. Patel, and Nidal Farhan Al Deek

54.02 Great Toe Transfer for Reconstruction of Metacarpal Hand: Great Toe Harvest

> Fu-Chan Wei, Hsin-Yu Sirena Chen, Ketan M. Patel, and Nidal Farhan Al Deek

54.03 Great Toe Transfer for Reconstruction of Metacarpal Hand: Great Toe Inset Fu-Chan Wei, Hsin-Yu Sirena Chen, Ketan M. Patel. and Nidal Farhan Al Deek

54.04 Trimmed Great Toe Flap Fu-Chan Wei

- **54.05** Trimmed Great Toe Transfer Fu-Chan Wei
- **54.06** Second Toe Flap Hung-Chi Chen
- **54.07** Bilateral Second Toe Transfer for Reconstruction of Distal Fingertip Amputations: Markings Fu-Chan Wei and Wyatt Ho
- **54.08** Bilateral Second Toe Transfer for Reconstruction of Distal Fingertip Amputations: Recipient Prep Fu-Chan Wei, Wyatt Ho, and Jason Su Shiuan-tzuen
- **54.09** Bilateral Second Toe Transfer for Reconstruction of Distal Fingertip Amputations: Flap Harvest Fu-Chan Wei, Wyatt Ho, and Jason Su Shiuan-tzuen
- **54.10** Bilateral Second Toe Transfer for Reconstruction of Distal Fingertip Amputations: Inset Fu-Chan Wei, Wyatt Ho, and Jason Su Shiuan-tzuen
- **54.11** Second and Third Toe Flap for Metacarpal Hand Reconstruction Fu-Chan Wei
- **54.12** Microsurgical Transplantation of the PIP Joint of the Second Toe: Recipient Site Preparation

Yu-Te Lin, Chung-Chen Hsu, Cheng-Hung Lin, and Nidal Farhan Al Deek

54.13 Microsurgical Transplantation of the PIP Joint of the Second Toe: Flap Harvest Yu-Te Lin, Chung-Chen Hsu, Cheng-Hung Lin, and

Nidal Farhan Al Deek

54.14 Microsurgical Transplantation of the PIP Joint of the Second Toe: Flap Inset Yu-Te Lin, Chung-Chen Hsu, Cheng-Hung Lin, and

- **55.01** Medial Femoral Condyle Flap Based on Descending Geniculate Vessel Steven L. Moran
- **55.02** Medial Femoral Condyle Flap Steven L. Moran

Nidal Farhan Al Deek

- **56.01** Perforator Flaps in the Lateral Thoracic Area: Latissimus Dorsi Perforator Flap, Thoracodorsal Perforator Flap, and Lateral Thoracic Perforator Flap Jeong-Tae Kim
- **57.01** Preoperative Deep Inferior Epigastric Perforator (DIEP) Marking in a High **BMI** Patient Michel Saint-Cyr
- **57.02** Deep Inferior Epigastric Perforator Flap Harvest and Dissection Summary Michel Saint-Cyr
- **57.03** Deep Inferior Epigastric Artery Perforator (DIEP) Flap for Breast Reconstruction Ming-Huei Cheng
- **57.04** Deep Inferior Epigastric Artery Perforator Flap Ming-Huei Cheng
- **57.05** DIEP Free Flap Harvest Edward I-Fei Chang
- **57.06** Superficial Inferior Epigastric Artery (SIEA) Flap for Breast Reconstruction Aldona J. Spiegel
- **58.01** Inferior Gluteal Artery Perforator (IGAP) Flap for Breast Reconstruction Robert J. Allen Sr and Julie V. Vasile
- **59.01** Anterolateral Thigh Flap Geoffrey G. Hallock
- **59.02** Anteriolateral Thigh Flap Chih-Hung Lin
- **59.03** Suprafascial Harvest of the Anterolateral Thigh Flap

Fu-Chan Wei, Dennis Yeh, Thomas Constantinescu, and Nidal Farhan Al Deek

- **59.04** Anterolateral Thigh Perforator Flap, Dissection Fu-Chan Wei
- **59.05** Vastus Lateralis Myocutaneous Flap Chih-Hung Lin
- 59.06 Chimeric Anterolateral Thigh Perforator Skin Flap and Vastus Lateralis Muscle Flap for Reconstruction of a Defect in the Maxilla Chung-Kan Tsao
- **59.07** Anterolateral Thigh Flap for Wound Coverage and Flow Through Reconstruction of the Radial Artery Ye-Tin Lin
- **59.08** Free Vastus Lateralis Muscle Flap Michel Saint-Cyr
- **59.09** Different Designs of the Anterolateral Thigh Flap

 Fu-Chan Wei and Nidal Farhan Al Deek
- **59.10** Pedicled ALT Flap for Groin Michel Saint-Cyr
- 59.11 Pedicled Anterolateral Thigh Myocutaneous Flap (Vastus Lateralis Myocutaneous Flap) for Reconstruction of a Medial Thigh Defect Chung-Ho Feng
- **59.12** Reconstruction of Hemiglossectomy Defect with the ALT Flap

 Fu-Chan Wei, Jay Hsin-Hung Chen, and Christopher G. Wallace
- **59.13** Anterolateral Thigh Perforator Flap for Reconstruction of a Palate Defect Fu-Chan Wei
- **59.14** Anterolateral Thigh Perforator Flap for Hypopharyngeal and Cervical Esophagus Reconstruction

 Fu-Chan Wei
- 59.15 Reverse Pedicled Anterolateral Thigh Perforator Flap With Venous Supercharge for Reconstruction of a Popliteal Defect Chung-Ho Feng
- 59.16 Maxillary Reconstruction with the Anterolateral Thigh Free Flap Matthew M. Hanasono
- **60.01** Tensor Fascia Lata Flap Chih-Hung Lin

- 61.01 Posterior Tibial Artery Perforator Propeller Flap Michel Saint-Cyr
- **62.01** Intraoperative PAP Flap Markings and Flap Harvest

 Michel Saint-Cyr
- **62.02** Profunda Artery Perforator (PAP) Flap for Head and Neck Reconstruction

 Jerry Chih-Wei Wu
- **62.03** Pedicled Superficial Femoral Artery Perforator Flap Michel Saint-Cyr
- **62.04** Superficial Femoral Artery Perforator Flap for Knee Coverage

 Michel Saint-Cyr
- **62.05** Proximal Free-style Superficial Femoral Artery Perforator Flap for Medial Thigh Defect Michel Saint-Cyr
- **63.01** Face Transplantation: Donor Restoration Gillian F. Duncan and Michaela Calhoun
- **64.01** Facial Transplant
 Joseph A. Ricci and Bohdan Pomahac
- **64.02** Face Transplant Postoperative Result Edward J. Caterson, Julian J. Pribaz, and Bodan Pomahac
- **64.03** Face Transplant Postoperative Result: Showing Spontaneous Emotion
 Edward J. Caterson, Julian J. Pribaz, and Bodan Pomahac
- **64.04** Face Transplant: Recipient Preparation Samir Mardini, Marissa Suchyta, Uldis Bite
- **64.05** Face Transplant: Lower Face Donor Procurement
 Samir Mardini, Marissa Suchyta, Karim Bakri
- **64.06** Face Transplant: Recipient Reconstruction Samir Mardini, Marissa Suchyta, and Elizabeth A. Bradley
- **66.01** Uterus Transplantation: Surgical Technique Ömer Özkan and Özlenen Özkan
- **68.01** Jumping the Nerve Gap
 Susan E. Mackinnon and Andrew Yee