



## CURRICULUM VITAE

# Yukio SEKI, M.D

### **Office Address**

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### **Employment History**

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#### **Apr 2014 - Present**

St. Marianna University School of Medicine Hospital (Kanagawa, Japan)

- Assistant Professor, Plastic and Reconstructive Surgery

#### **Dec 2013 - Mar 2014**

Nadogaya Hospital (Chiba, Japan)

- Chief of Plastic and Reconstructive Surgery

(As a rotation of related hospitals of The University of Tokyo Hospital)

#### **Aug 2013 - Nov 2014**

Asahi General Hospital (Chiba, Japan)

- Chief Clinical Fellow, Plastic and Reconstructive Surgery

(As a rotation of related hospitals of The University of Tokyo Hospital)

#### **Apr 2012 - Jul 2013**

The University of Tokyo Hospital (Tokyo, Japan)

- Assistant Professor, Plastic and Reconstructive Surgery

#### **Apr 2011 - Mar 2012**

The University of Tokyo Hospital (Tokyo, Japan)

- Clinical Fellow, Plastic and Reconstructive Surgery

#### **Jun 2010 - Mar 2011**

Fukushima Medical University (Fukushima, Japan)

- Resident, Plastic and Reconstructive Surgery

(As a resident program rotation of The University of Tokyo Hospital)

- Jan 2010 - May 2010**                      Jusendo General Hospital
- Resident, Plastic and Reconstructive Surgery
- (As a rotation of related hospitals of Fukushima Medical University)
- Apr 2009 - Dec 2009**                      Fukushima Medical University (Fukushima, Japan)
- Resident, Plastic and Reconstructive Surgery
- (As a resident program rotation of The University of Tokyo Hospital)
- Apr 2008 - Mar 2009**                      The Fraternity Memorial Hospital (Tokyo, Japan)
- Resident, Plastic and Reconstructive Surgery
- (As a resident program rotation of The University of Tokyo Hospital)
- Apr 2006 - Mar 2008**                      Jichi Medical University Hospital (Tochigi, Japan)
- Internship of General Surgery for 2years

## **Education**

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**Apr 1999 – Mar 2006**                      Medical School, Akita University

## **Credentials**

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### **Affiliated Academic Society**

**Sep 2017 –**                      American Society for Reconstructive Microsurgery

**Mar 2017 –**                      Japanese Society of Lymphology

**Oct 2016 –**                      Japan Oncoplastic Breast Surgery Society

**Nov 2015 –**                      Japanese Society for Reconstructive Microsurgery

**Oct 2015 –**                      International Society of Lymphology

**Mar 2012 –**                      Japanese Society of Gender Identity Disorder

**Oct 2010 –**                      Japan Society for Surgical Wound Care

**Apr 2008 –**                      Japan Society of Plastic and Reconstructive Surgery

### **Licensures (Active)**

Japanese Medical License, 460630, 28/4/2006

KANAGAWA, 82502, 29/5/2006 -

Board Certified Member of Japan Society of Plastic and Reconstructive Surgery, 14-2771, 1/4/2015 -

## **Award**

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- 3<sup>rd</sup> Feb 2019** Best Save 2019: American Society for Reconstructive Microsurgery (ASRM)  
“The Vascularized Scapular Bone Growing as a Neo Tibia in Chimeric LD Cross Leg Free flap for a 20 Years Old Lady with Severe Osteomyelitis: Possibility of the Mermaid Flap for a Lady Walking and Running Around on the Land.”
- 15<sup>th</sup> March 2017** Best Paper Award of 6<sup>th</sup> World Symposium on Lymphedema Surgery  
“Early Result of Three Lymphaticovenular Anastomoses for Upper Extremity Lymphedema: Limitation and Future Strategy”
- 14<sup>th</sup> April 2016** Best Paper Award of 2015 Japan Society of Plastic and Reconstructive Surgery  
“The Superior-Edge-of-the-Knee Incision Method in Lymphaticovenular Anastomosis for Lower Extremity Lymphedema.  
Plast Reconstr Surg. 2015 Nov;136(5):665e-75e.”
- 2<sup>nd</sup> Feb 2016** Best Paper Award of the 27<sup>th</sup> Annual Conference of the University of Tokyo  
“A new reliable LVA for Lower Extremity Lymphedema.”

## **Panel & Symposium of International Conference and Domestic Conference**

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- 8<sup>th</sup> Dec 2018** **Invited Key Note Lecture**  
Seoul National University Bundang Hospital Pressure Ulcer Forum -Vein and Lymph-  
“Personal Experience for Lymphedema Surgery.”
- 11<sup>th</sup> Nov 2018** **Panel, Panelist Invitation**  
PRS KOREA 2018  
“Building-up and Running a Lymphatic Surgery Center: St. Marianna Univ. Hosp.”
- 9<sup>th</sup> Nov 2018** **Invited Symposium**  
PRS KOREA 2018  
“Functional LVA for upper and lower extremity lymphedema”
- 23<sup>th</sup> Jun 2018** **Invited Symposium**  
The 42<sup>nd</sup> Annual Meeting of the Japanese Society of Lymphology  
“Functional LVA” for upper and lower extremity lymphedema

- 7<sup>th</sup> Dec 2017** Panel  
The 44<sup>th</sup> Annual Meeting of the Japanese Society for Reconstructive Microsurgery  
“ICG Lymphography based surgical treatment strategy for lymphedema and quantitative evaluations for lymphedema”
- 12<sup>th</sup> Nov 2017** Panel, **Panelist Invitation**  
PRS KOREA 2017  
“Why SEKI method is different from other LVA ?”
- 16<sup>th</sup> Jun 2017** Panel, **Panelist Invitation**  
9<sup>th</sup> Congress of World Society for Reconstructive Microsurgery (WSRM2017)  
“The impact of dynamic-LVA: a new LVA strategy for upper and lower extremity lymphedema”
- 14<sup>th</sup> Jun 2017** **Invited** Video Symposium (Pre-Congress Video Workshop)  
9<sup>th</sup> Congress of World Society for Reconstructive Microsurgery (WSRM2017)  
“LVA ”
- 15<sup>th</sup> Mar 2017** **Invited** Symposium  
The 6<sup>th</sup> World Symposium on Lymphatic Surgery  
“LVA Techniques: One step more from the Japanese school, the SEKI approach”
- 14<sup>th</sup> Jan 2017** Panel, **Panelist Invitation**  
American Society for Reconstructive Microsurgery Annual Meeting 2017  
“Instructional Course of Lymphatic Surgery: LVA”
- 14<sup>th</sup> Apr 2016** Plenary session  
The 59<sup>th</sup> Annual Meeting of Japan Society of Plastic and Reconstructive Surgery  
“minimal-LVA for Lower Extremity Lymphedema using the Superior-Edge-of-the-Knee Incision Method”
- 2<sup>nd</sup> Apr 2016** mini Symposium  
2nd International Symposium of Lymphedema Surgery and Breast Reconstruction of the University of Tokyo  
“Mini-LVA with the Superior-Edge-of-the-Knee Incision Method—How can we minimize LVA operations?—”
- 8<sup>th</sup> Oct 2015** Symposium  
The 24<sup>th</sup> Research Council Meeting of Japan Society of Plastic and Reconstructive Surgery  
“A novel effective LVA based on new theory of the Superior-Edge-of-the-Knee Incision Method ”

- 10<sup>th</sup> Sep 2015** Faculty, Oral Presentation  
25<sup>th</sup> World Congress of Lymphology  
“The Superior-Edge-Of-The-Knee-Incision Method in Lymphaticovenular Anastomosis for Lower Extremity Lymphedema”
- 21<sup>th</sup> Mar 2015** **Invited Symposium**  
The 17<sup>th</sup> Annual Conference of Japanese Society of Gender Identity Disorder  
“Penile re-Reconstruction using pedicled SCIP Perforator Flap for Complications following Penile Reconstructions in other hospitals.”
- 14<sup>th</sup> Jul 2013** Panel, **Panelist Invitation**  
7<sup>th</sup> Congress of World Society for Reconstructive Microsurgery (WSRM2013)  
“Capillary perforator flap: New possibilities of perforator flap”
- 4<sup>th</sup> Apr 2013** mini Symposium  
The 56<sup>th</sup> Annual Meeting of Japan Society of Plastic and Reconstructive Surgery  
“Penile Reconstruction for Female-to-male Gender Identity Disorder ”
- 6<sup>th</sup> Dec 2012** **Invited Symposium**  
The 39<sup>th</sup> Annual Meeting of the Japanese Society for Reconstructive Microsurgery  
“thin flap elevation with microscopy -pure skin perforator-”
- 29<sup>th</sup> Sep 2012** **Invited Symposium**  
The 59<sup>th</sup> Annual Meeting of Japanese Society for Child Health  
“Reconstruction of penis and penile urethra for children”
- 17<sup>th</sup> Mar 2012** **Invited Symposium**  
The 14<sup>th</sup> Annual Conference of Japanese Society of Gender Identity Disorder  
“Reconstruction of penis and penile urethra with perforator flaps”

### **Member of International Invited Surgery**

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- 10<sup>th</sup> Apr 2013** 2013 International Symposium on Surgical Treatments of Lymphedema  
**Lymphaticovenular anastomosis (LVA) for lower limb lymphedema**
- 1<sup>st</sup> Mar 2012** 2<sup>nd</sup> European Conference on Supermicrosurgery  
**Lymphaticovenular Anastomosis (LVA)**
- 16<sup>th</sup> Oct 2011** 14<sup>th</sup> International Perforator Flap Course  
**Vascularized lymphatic vessel transfer for lower extremity lymphedema**

1. Yamamoto T, Yoshimatsu H, Narushima M, **Seki Y**, Yamamoto N, Shim TW, Koshima I. A modified side-to-end lymphaticovenular anastomosis. *Microsurgery*. 2013 Feb;33(2):130-3.
2. Yamamoto T, Narushima M, Yoshimatsu H, **Seki Y**, Yamamoto N, Oka A, Hara H, Koshima I. Minimally Invasive Lymphatic Supermicrosurgery: Indocyanine Green Lymphography-Guided Simultaneous Multisite Lymphaticovenular Anastomoses via Millimeter Skin Incisions. *Ann Plast Surg*. 2014 Jan;72(1):67-70.
3. Yamamoto T, Yoshimatsu H, Narushima M, Yamamoto N, Shim TW, **Seki Y**, Kikuchi K, Karibe J, Azuma S, Koshima I. Sequential Anastomosis for Lymphatic Supermicrosurgery: Multiple Lymphaticovenular Anastomoses on 1 Venule. *Ann Plast Surg*. 2014 Jul;73(1):46-9.
4. Mihara M, **Seki Y**, Hara H, Iida T, Oka A, Kikuchi K, Narushima M, Haragi M, Furniss D, Hin-Lun L, Mitsui K, Murai N, Koshima I. Predictive Lymphatic Mapping: A Method for Mapping Lymphatic Channels in Patients With Advanced Unilateral Lymphedema Using Indocyanine Green Lymphography. *Ann Plast Surg*. 2014;72(6):706-10.
5. Yamamoto T, Yamamoto N, Azuma S, Yoshimatsu H, **Seki Y**, Narushima M, Koshima I. Near-infrared illumination system-integrated microscope for supermicrosurgical lymphaticovenular anastomosis. *Microsurgery*. 2014 Jan;34(1):23-7.
6. Hara H, Mihara M, **Seki Y**, Todokoro T, Iida T, Koshima I. Comparison of indocyanine green lymphographic findings with the conditions of collecting lymphatic vessels of limbs in patients with lymphedema. *Plastic and Reconstructive Surgery*. 2013 Dec;132(6):1612-8.
7. Yamamoto T, Narushima M, Yoshimatsu H, Yamamoto N, Oka A, **Seki Y**, Todokoro T, Iida T, Koshima I. Indocyanine green velocity: lymph transportation capacity deterioration with progression of lymphedema. *Annals of Plastic Surgery*. 2013 Nov;71(5):591-4.
8. Yoshimatsu H, Yamamoto T, **Seki Y**, Narushima M, Iida T, Koshima I. A new device expanding operability of fingertip replantation: subzone 1 fingertip replantation assisted by non-enhanced angiography in a 2-year-old boy. *Journal of Plastic, Reconstructive and Aesthetic Surgery*. 2012 Nov;65(11):1592-4.
9. Hara H, Mihara M, **Seki Y**, Koshima I. Lymphoedema caused by idiopathic lymphatic thrombus. *J Plast Reconstr Aesthet Surg*. 2013 Dec;66(12):1780-3.
10. Mihara M, Hara H, Todokoro T, **Seki Y**, Iida T, Koshima I, Murai N. The effect of lymphatico-venous anastomosis for an intractable ulcer at the lower leg in a marked obese patient. *Microsurgery*. 2014 Jan;34(1):64-7.
11. Mihara M, Hara H, Shibasaki J, **Seki Y**, Hayashi A, Iida T, Adachi S, Uchida Y, Kaneko H, Haragi M, Murakami A. Indocyanine green lymphography and lymphaticovenous anastomosis for generalized lymphatic dysplasia with pleural effusion and ascites in neonates. *Ann Vasc Surg*. 2015 Aug;29(6):1111-22.
12. **Seki Y**, Yamamoto T, Yoshimatsu H, Hayashi A, Kurazono A, Mori M, Kato Y, Koshima I. The Superior-Edge-of-the-Knee Incision Method in Lymphaticovenular Anastomosis for Lower Extremity Lymphedema. *Plast Reconstr Surg*. 2015 Nov;136(5):665e-75e.
13. Koshima I, Narushima M, Mihara M, Yamamoto T, Hara H, Ohshima A, Kikuchi K, Todokoro T, **Seki Y**, Iida T, Nakagawa M. Lymphadiposal Flaps and Lymphaticovenular Anastomoses for Severe Leg Edema: Functional Reconstruction for Lymph Drainage System. *J Reconstr Microsurg*. 2016 Jan;32(1):50-5.
14. Yamamoto T, Yamamoto N, Yoshimatsu H, **Seki Y**, Kajikawa A. Localized Leg Volume Index: A New Method for Body Type-Corrected Evaluation of Localized Leg Lymphedematous Volume Change. *Ann Plast Surg*. 2018 Jan;80(1):64-66.
15. **Seki Y**, Yamamoto T, Kajikawa A. Lymphaticovenular anastomosis for breast cancer treatment-related

- lymphedema: Three-line strategy for an optimal outcome. *J Plast Reconstr Aesthet Surg*. 2018 Jun;71(6):e13-e14.
16. Yamamoto T, Yamamoto N, Yoshimatsu H, **Seki Y**, Kajikawa A. Localized Leg Volume Index: A New Method for Body Type-Corrected Evaluation of Localized Leg Lymphedematous Volume Change. *Ann Plast Surg*. 2018 Jan;80(1):64-66.
  17. **Seki Y**, Kajikawa A, Yamamoto T, Takeuchi T, Terashima T, Kurogi N. Single Lymphaticovenular Anastomosis for Early-Stage Lower Extremity Lymphedema Treated by the Superior-Edge-of-the-Knee Incision Method. *Plast Reconstr Surg Glob Open*. 2018 Feb 26;6(2):e1679.
  18. Yamamoto T, Yamamoto N, Sakai H, Fuse Y, Yoshimatsu H, **Seki Y**, Kajikawa A. Lymphedema Quality of Life Score (LeQOLiS): A Simple Method for Evaluation of Subjective Symptoms in Extremity Lymphedema Patients. *Plast Reconstr Surg*. 2018 Aug 14. doi: 10.1097/PRS.0000000000004937. [Epub ahead of print]
  19. **Seki Y**, Kajikawa A, Yamamoto T, Takeuchi T, Terashima T, Kurogi N. The dynamic-lymphaticovenular anastomosis method for breast cancer treatment-related lymphedema: Creation of functional lymphaticovenular anastomoses with use of preoperative dynamic ultrasonography. *J Plast Reconstr Aesthet Surg*. 2019 Jan;72(1):62-70.
  20. Yamamoto T, Yamamoto N, Sakai H, Fuse Y, Yoshimatsu H, **Seki Y**, Kajikawa A. Targeting Reflux-Free Veins with a Vein Visualizer to Identify the Ideal Recipient Vein Preoperatively for Optimal Lymphaticovenous Anastomosis in Treating Lymphedema. *Plast Reconstr Surg*. 2018 Nov;142(5):804e-806e.

## **Book Chapters**

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1. Narushima M, Yamamoto T, **Seki Y**, Todokoro T, Mihara M, Koshima I. Supermicrosurgery using IVaS method. *Seikei-Saigai Geka*. 2012 55:343-50
2. Koshima I, Hara H, Yamamoto T, Yoshimatsu H, Todokoro T, Oshima A, **Seki Y**. How to minimize Donor site morbidity using perforator flaps. *Pepars*. 2012 64:10-20
3. Koshima I, **Seki Y**, Oshima A, Kikuchi K, Tashiro K, Asai T, Todokoro T. Lymphaticovenular anastomosis for lymphorrhea following inguinal lymphadenectomy. *Hinyoukigeka*. 2012 25:1363-65
4. Kikuchi K, Yamamoto T, Yoshimatsu H, Hara H, **Seki Y**, Todokoro T, Mihara M, Narushima M, Iida T, Koshima I. Technical detail of lymphaticovenular anastomosis for lymphedema. *Pepars*. 2012 69:49-59
5. Koshima I, Narushima M, Yamamoto T, **Seki Y**, Kikuchi K, Mihara M, Iida T. Supermicrosurgery. *Keiseigeka*. 2012 55:975-81
6. Koshima I, **Seki Y**, Kikuchi K, Tashiro K, Asai T, Todokoro T. Treatment for dermal necrosis and lymphorrhea after resection of penile carcinoma. *Hinyoukigeka*. 2013 26:939-45
7. Koshima I, **Seki Y**, Kikuchi K, Tashiro K. Lymphaticovenular anastomosis for lymphedema. *Angiology Frontier* 2013 12:130-4
8. Yamamoto T, Narushima M, Yamamoto N, Yoshimatsu H, Hara H, Kikuchi K, **Seki Y**, Todokoro T, Mihara M, Iida T, Koshima I. New challenges and prospects for lymphedema: Lymphaticovenular anastomosis as a treatment of lymphedema. *Japanese Lymphology* 2013 36:53-6
9. **Seki Y**, Kajikawa A. The Nerbridge™ for the Median Nerve Reconstruction. *Clinical Neuroscience* 2016 34:1153-56
10. **Seki Y**, Kajikawa A. mini-LVA for Lower Extremity Lymphedema treated by the Superior-Edge-of-the-Knee Incision Method. *Igakunoayumi*. 2017 11:992-3.

11. **Seki Y**. Classification of Lymphedema. Surgical Treatment of Lymphedema. Person-Shobo. 2017 41-46.
12. **Seki Y**. The Superior-Edge-of-the-Knee-Incision Method – effective LVA for Lower Extremity Lymphedema – . Surgical Treatment of Lymphedema. Person-Shobo. 2017 289-298.
13. **Seki Y**, Kajikawa A. Determination of incision points for lymphaticovenular anastomosis. Pepars. 2017 130:32-38.
14. Hayashi A, Visconti G, **Seki Y**, Giacalone G, Yoshimatsu H, Hayashi N, Yamamoto T. A Combined Microsurgical Reconstruction Approach for Lymphedema. Lymphedema: a concise compendium of theory and practice. Springer. 2018 653-672.

**DATE OF LAST CV UPDATE**

9<sup>th</sup> Feb 2019