

PRS KOREA 2025

November 9(Sun) ~ 11(Tue), 2025
Grand InterContinental Seoul Parnas Hotel



Curriculum Vitae

Personal Information		
Title (i.e. Pf., Dr., etc.)	Dr.	
Name (First name_Last Name)	Ryo Karakawa	
Degree (i.e. MD, Msc, PhD, etc.)	MD, PhD, MBA	
Country	Japan	
Affiliation	Cancer Institute Hospital	
Educational Background		
2008-2014	M.D., The University of Tokyo, School of Medicine, Tokyo, Japan.	
2020-2024	Ph.D., Tokyo Medical and Dental University, Medical and Dental Science, Tokyo, Japan.	
Professional Experience		
2014-2016	Japanese Red Cross Medical Center, Tokyo, Japan. Junior Resident, Dept. of General Surgery.	
2016-2018	The University of Tokyo, Tokyo, Japan. Senior Resident, Dept. of Plastic and Reconstructive Surgery.	
2018- at present	Cancer Institute Hospital, Tokyo, Japan Medical Director, Dept. of Plastic and Reconstructive Surgery Deputy Director of Medical Device Development Research Center Dept. of Head and Neck Surgery, Showa Univ.	
2020	Ganga Hospital, Coimbatore, India Ethicon Advanced Fellowship in Hand and Reconstructive Microsurgery	
Professional Organizations		
Japanese Society of Surgery, Japanese Society of Plastic Surgery, Japanese Society of Hand Surgery, Japanese Society of Oncoplastic Surgery, Japanese Society of Microsurgery, Japanese Society of Biomedical Engineering		
Main Scientific Publications		



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1. A new method for microsurgery training using a smartphone and a laptop computer. *Microsurgery*. 2018 Jan;38(1):124-125 2017.
2. Karakawa R, Narushima M, Ogishima S, Hara H, Karino S, Iida T, Kakigi A, Koshima I
Free anterolateral thigh full-thickness skin flap with vascularized lateral femoral cutaneous nerve for the reconstruction of facial nerve and external auditory canal after the resection of facial nerve schwannoma. *SAGE Open Med Case Rep*. 2017 Nov 16;5:2050313X17741825.
3. Karakawa R, Yoshimatsu H, Iida T
Light-emitting Diode Transilluminator for the Identification of Recipient Veins in Finger Reconstruction. *Plast Reconstr Surg GO*. 2018 Jan 4;6(1):e1577.
4. Karakawa R, Yoshimatsu H
The Excised Super-thin Skin as a Flap Sizer for Finger and Hand Free-Mini-Flap Reconstruction. *Plast Reconstr Surg GO*. 2018 Apr 13;6(4):e1767.
5. Karakawa R, Yoshimatsu H, Narushima M, Iida T
Ratio of Blood Glucose Level Change Measurement for Flap Monitoring Plastic and Reconstructive Surgery *GO*. 2018 Jul 16;6(7):e1851.
6. Karakawa R, Yoshimatsu H, Tomoyuki Y, Sawaizumi M
Use of Laser Speckle Contrast Imaging for successful fingertip replantation. *Plast Reconstr Surg GO*. 2018 Sep 5;6(9):e1924.
7. Karakawa R, Yoshimatsu H, Yano T, Sawaizumi M.
Microsurgery training using Apple iPad Pro. *Microsurgery*. 2018 Nov;38(8):926-927.
8. Karakawa R, Yoshimatsu H, Maeda E, Shibata T, Miyashita H, Tanakura K, Yano T, Sawaizumi M.
High-pressure injection of heparinized saline for reversing refractory intraoperative phenylephrine-induced venous vasospasm. *Plast Reconstr Surg*. 2019 Feb; 143(2):448e-449e.
9. Karakawa R, Harima M, Iida T
Mechanical versus hand-sewn venous anastomoses in free flap reconstruction: A systematic review and meta-analysis. *Plast Reconstr Surg*. 2019 Feb; 143(2):441e-442e.
10. Karakawa R, Iida T, Yoshimatsu H, Kanayama K, Yamasoba T
Functional and aesthetic reconstruction for microtia using the combination of superficial circumflex iliac artery perforator superthin flap transfer and skin grafting. *Plast Reconstr Surg GO*. 7(7):e2312, July 2019.
11. Karakawa R, Yoshimatsu H, Miyashita H, Kuramoto Y, Shibata T, Yano T.
Successful balanced gait after reconstruction of the weight-bearing mid plantar region using a free contralateral medial plantar flap. *Plast Reconstr Surg GO*. 7(9):e2456, September 2019.
12. Karakawa R, Yoshimatsu H, Fuse Y, Hayashi A, Tanakura K, Heber UM, Weninger WJ, Tzou CJ, Meng S, Yano T.
The correlation of the perforators and the accessory saphenous vein in a profunda femoris artery perforator flap for additional venous anastomosis: A cadaveric study and clinical application. *Microsurgery*. 2020;40(2):200-206.
13. Karakawa R, Yano T, Shibata T, Miyashita H, Kuramoto Y, Yoshimatsu H.
Use of the wearable smart glasses for indocyanine green (ICG) angiography of a flap surgery. *Microsurgery*. 2020;40(2):276-277.
14. Tsuruta Y, Karakawa R (corresponding author), Majima K, Yamamoto S, Shibata T, Yoshimatsu H, Miyashita H, Tanakura K, Yano T.
The Reconstruction after a Giant Phyllodes Tumor Resection Using a DIEP Flap. *Plast Reconstr Surg Glob Open*. 2020 Apr 27;8(4):e2760.
15. Karakawa R, Yoshimatsu H, Tanakura K, Miyashita H, Shibata T, Kuramoto Y, Yano T.
An anatomical study of the lymph-collecting vessels of the medial thigh and clinical applications of lymphatic vessels preserving profunda femoris artery perforator (LpPAP) flap using pre- and intraoperative indocyanine green (ICG) lymphography. *J Plast Reconstr Aesthet Surg*. 2020 Sep;73(9):1768-1774.
16. Karakawa R, Yoshimatsu H, Tanakura K, Imai T, Yano T, Sawaizumi M. Triple-lobe combined latissimus dorsi and scapular flap for reconstruction of a large defect after sarcoma resection. *Microsurgery*. 2020 Jul 28.
17. Karakawa R, Yano T, Yoshimatsu H, Katsuta H, Kushihashi Y, Shimane T. Computer-aided Design and Syringe-aided Manufacturing for Mandibular Reconstruction Using a Vascularized Fibula Flap. *Plast Reconstr Surg Glob Open*. 2020 May 21;8(5):e2819
18. Karakawa R, Yoshimatsu H, Maeda E, Shibata T, Tanakura K, Kuramoto Y, Miyashita H, Yano T.
Use of the Profunda Femoris Artery Perforator Flap for Reconstruction after Sarcoma Resection. *Plast Reconstr Surg Glob Open*. 2020 Dec 17;8(12):e3289.
19. Karakawa R, Yoshimatsu H (equally contributed), Fuse Y, Tanakura K, Yamamoto T, Okada A, Daniel BW, Yano T.
Use of the superficial circumflex iliac artery perforator flap for reconstruction after sarcoma resection. *J Surg Oncol*. 2021 Mar;123(4):1067-1080.
20. Karakawa R, Yoshimatsu H (equally contributed), Scaglioni MF, Fuse Y, Tanakura K, Yano T.



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- Application of intraoperative indocyanine green angiography for detecting flap congestion in the use of free deep inferior epigastric perforator flaps for breast reconstruction. *Microsurgery*. 2021 Sep;41(6):522-526.
21. Karakawa R, Yoshimatsu H, Kamiya K, Fuse Y, Yano T. Supermicrosurgical Suture-Stent Technique for A Lymphaticovenular Bypass. *J Clin Med*. 2021 Jun 11;10(12):2595.
22. Karakawa R, Yano T, Yoshimatsu H. Use of the wearable smart glasses for intraoperative indocyanine green (ICG) lymphography of a lymphatic surgery. *Microsurgery*. 2021 Oct;41(7):697-698.
23. Karakawa R, Yoshimatsu H, Yano T. Coronoidectomy, condylectomy, and free vascularized fibula osteomusculocutaneous flap transfer for severe trismus due to contracture of the oral mucosa and temporomandibular joint ankylosis after maxillectomy: A case report. *Microsurgery*. 2022 Feb;42(2):187-191.
24. Karakawa R, Yano T, Yoshimatsu H, Koto M, Nakao A, Ichi S. Use of Ultra-high-frequency Ultrasound for Aplasia Cutis Congenita of the Scalp. *Plast Reconstr Surg Glob Open*. 2021 Oct 14;9(10):e3876.
25. Karakawa R, Yoshimatsu H, Fuse Y, Tanakura K, Imai T, Sawaizumi M, Yano T. Immediate tendon transfer for functional reconstruction of a dorsal forearm defect after sarcoma resection. *J Plast Surg Hand Surg*. 2022 Jan 13:1-6.
26. Karakawa R, Yoshimatsu H, Kamiya K, Fuse Y, Yano T, Muro S, Akita K. An Anatomical Study of Posterior Trunk Recipient Vessels, and Comparisons of Outcome following Pedicled- and Free-Flap Transfers for Treatment of Sarcoma in the Posterior Trunk. *J Reconstr Microsurg*. 2022 Mar 10.
27. Karakawa R, Konishi T, Yoshimatsu H, Fuse Y, Hashimoto Y, Matsui H, Fushimi K, Yano T, Yasunaga H. Comparison of short-term outcomes between pedicled- and free-flap autologous breast reconstruction: a nationwide inpatient database study in Japan. *Breast Cancer*. 2022 Jul 18.
28. Nakatsuka K, Karakawa R (corresponding author), Fuse Y, Yoshimatsu H, Yano T. Donor-site Chyle Leakage after Breast Reconstruction Using a Deep Inferior Epigastric Artery Perforator Flap. *Plast Reconstr Surg Glob Open*. 2022 Oct 19;10(10):e4612.
29. Karakawa R, Yoshimatsu H, Nakatsuka K, Fuse Y, Nishiyama S, Kawahara T, Yano T. Super-Microsurgical training using the chick embryos within the "Egg-in-Cube" system. *Plast Reconstr Surg*. 2023 May 31. doi: 10.1097/PRS.00000000000010772. Epub ahead of print. PMID: 37257158.
30. Karakawa R, Yoshimatsu H, Fuse Y, Yano T. Comparison of outcomes following pedicled and free flap transfers for treatment of shoulder soft tissue sarcoma. *J Plast Reconstr Aesthet Surg*. 2023 Aug;83:373-379. doi: 10.1016/j.bjps.2023.04.049. Epub 2023 Apr 18. PMID: 37302243.
31. Nakatsuka K, Karakawa R (corresponding author), Fuse Y, Yoshimatsu H, Yano T. Bilateral Transposition Flap for Postoperative Anal Stenosis after Reconstruction for Paget Disease. *Plast Reconstr Surg Glob Open*. 2023 Aug 3;11(8):e5142. doi: 10.1097/GOX.0000000000005142. PMID: 37547347
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33. Matsuoka Y, Karakawa R (corresponding author), Yoshimatsu H, Yano T. Postoperative Hematoma-induced Vasospasm after Sarcoma Reconstruction Using a Pedicled Anterolateral Thigh Flap. *Plast Reconstr Surg Glob Open*. 2023 Sep 13;11(9):e5271. doi: 10.1097/GOX.0000000000005271
34. Fujii T, Karakawa R (corresponding author), Yoshimatsu H, Yano T. Cannulation Indocyanine Green Method for Strategic Management of Postoperative Arterial Thrombosis after Free Jejunal Flap Transfer. *Plast Reconstr Surg Glob Open*. 2023 Dec 7;11(12):e5463. doi: 10.1097/GOX.0000000000005463.
35. Karakawa R, Konishi T, Yoshimatsu H, Hashimoto Y, Matsui H, Fushimi K, Yano T, Yasunaga H. Association between body mass index and outcomes after autologous breast reconstruction: a nationwide inpatient database study in Japan. *Breast Cancer Res Treat*. 2024 Feb;204(1):69-78. doi: 10.1007/s10549-023-07162-0
36. Otsuka W, Karakawa R (corresponding author), Yoshimatsu H, Yano T. Breast reconstruction using a superficial inferior epigastric artery flap with pedicle elongation via an arteriovenous loop: A case report. *Microsurgery*. 2024 May;44(4):e31183. doi: 10.1002/micr.31183



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