

List of Published Papers done using the whole-body capillaroscope GOKO Bscan Series

We are proud to have earned the trust and support of our customers since the release of our first model in 2006.

Here are some papers done using the GOKO Bscan series and the software GOKO-VIP etc.

Jan-25

Specialization	Title	Lead Author *	Affiliation	Journal	Year
Urology	Novel Frostbite Cooling Device for Real-time Assessment and Prevention of Chemotherapy-induced Peripheral Neuropathy	Yuki Matsui	Hitachi Medical Center	Plastic and Reconstructive Surgery - Global Open	2025
Plastic Surgery	Special Contribution: Points to be Seen in Video <with video> Experiences of using the systemic capillary scope in plastic surgery - skin flaps, laser treatment, burns, pressure ulcers, etc.**	Kento Yamamoto, Hiroshi Furukawa	Aichi Medical University Hospital	Japanese Journal of Plastic Surgery	2023
Dermatology, rheumatic diseases	Nailfold capillary findings in dermatomyositis**	Naoki Mugii	Kanazawa University	Dermatology	2023
Periodontology Diabetes	Morphological analysis of the impact of diabetes on gingival capillaries with non-invasive blood flow scope – A preliminary study	Kohei Takeda, Koji Mizutani, Risako Mikami, Aiko Fujino, Yuri Ito, Shunsuke Takeuchi, Natsumi Saito, Takanori Iwata	Tokyo Medical and Dental University	Journal of Dental Sciences	2022
Plastic Surgery	Intraoperative Identification of Perforator Spasm and Decreased Pulsation Using Video-capillaroscopy during Free Flap Harvest	Mohammad Arbab	Aarupadai Veedu Medical College and Hospital Mohammad	Plastic and Reconstructive Surgery - Global Open	2022
Plastic Surgery	Characteristics and Limitations of Video-capillaroscopy in Reconstructive Microsurgery for Different Histologic Components of Flaps	Joseph Escandón	University of Rochester Medical Center	Plastic and Reconstructive Surgery - Global Open	2022
Plastic Surgery	Intraoperative monitoring of lymphatic vessel characteristics using video-capillaroscopy in the procedure of lymphaticovenular anastomosis	Chihiro Matsui	Juntendo University	Microsurgery	2022
Dermatology	Capillaroscopy in Pigmented Basal Cell Carcinoma Smaller than 3-mm Diameter: A Report of Four Lesions	Shintaro Saito	Gunma University	Acta Dermato-Venereologica	2022
Plastic Surgery	Real-time assessment of free flap capillary circulation using video capillaroscopy	Chihiro Matsui	Juntendo University	Plastic and Reconstructive Surgery	2022
Rheumatologic Collagen Disease	Longitudinal changes in nailfold video capillaroscopy findings differ by myositis-specific autoantibody in idiopathic inflammatory myopathy	Naoki Mugii	Kanazawa University	Rheumatology	2022
Plastic Surgery	Dynamic Changes on Video-capillaroscopy and Potential Microsurgical Application: Temperature and Skin Surface Readings	Chihiro Matsui	Juntendo University	Plastic and Reconstructive Surgery - Global Open	2022
Allergies, Rheumatic diseases	Nailfold capillaroscopic abnormalities in angioedema with eosinophilia.	Sayaka Tsuzuki, Toshihiko Komai	Tokyo University	Allergol Int.	2021
Applied Science (Smoking)	Finding the Differences in Capillaries of Taste Buds between Smokers and Non-Smokers Using the Convolutional Neural Networks	Hang Nguyen Thi Phuong, Choon-Sung Shin, Hie-Yong Jeong	Chonnam National University	Applied Sciences	2021

Diabetes	Association of abdominal obesity with crossing capillaries in the finger nailfold in type 2 diabetes Mellitus	Mariko Shikama	Osaka University, Osaka Prefecture University	Diabetology International	2021
Thermal Biology	Heat-retention effects of hydrogen-rich water bath assessed by thermography for humans	Shinya Kato, Yuki Takada, Nobuhiko Miwa	Mie University, Suiso Iryou Kenkyujo, Prefectural University of Hiroshima	Journal of Thermal Biology	2021
Diabetes	Association of crossing capillaries in the finger nailfold with diabetic retinopathy in type 2 diabetes mellitus	Mariko Shikama	Osaka University, Osaka Prefecture University	Journal of Diabetes Investigation	2020
Plastic Surgery	Capillaroscopy for Monitoring Arterial Perfusion in Free Flap Surgery	Yoshitsugu Hattori	Kanto Central Hospital	Journal of Reconstructive Microsurgery	2020
Oral (bone regeneration, vascular regeneration)	Effect of hyperbaric oxygen treatment on calvarial bone regeneration in young and adult mice	Jin Izumino, Masato Kaku, Taeko Yamamoto, Yuka Yashima, Haruka Kagawa, Kazutaka Ikeda, Saiji Shimoe, Kotaro Tanimoto	Hiroshima University	Archives of Oral Biology	2020
Dementia	Use of Capillaroscope as a Simple Evaluation Method for Dementia Prevention and Rehabilitation Effectiveness **	Hidekazu Tsuchiya	Tokai University	The journal of Japan Society for Early Stage of Dementia	2020
Electrical and Computer Engineering	Image Similarity Check of Nailfold Capillary by Template Matching	Sayaka Suga, Aoi Otomo, Hieyong Jeong, Yuko Ohno	Osaka University	IEEE 8th Global Conference on Consumer Electronics	2019
Dementia	The usage of blood flow measurement using capillaroscope - Effectiveness measurement on dementia prevention and rehabilitation **	Takeshi Asakawa, Takashi Nagao	Tokai University	BME on Dementia Kenkyukai	2019
rheumatologic collagen disease	Capillary abnormalities observed by nailfold video-capillaroscopy in Japanese patients with systemic sclerosis	Yuki Ichikawa · Yasushi Kawaguchi · Kae Takagi · Akiko Tochimoto他	Tokyo Women's Medical University	Modern Rheumatology	2018
Healthcare	Electrolytically generated hydrogen warm water cleanses the keratin-plug-clogged hair-pores and promotes the capillary blood-streams, more markedly than normal warm water does	Yoshiharu Tanaka, Yasukazu Saitoh, Nobuhiko Miwa	Osaka Prefecture University, Hiroshima University	Medical Gas Research	2018
Oriental medicine	Investigative research on the correlation between the state of blood flow on the skin surface and subjective state of blood loss for objective evaluation of blood loss. **	Nagatsu Akito, Nobuko Sakanaga, Hiroaki Ando	Kinjo Gakuin University	Kinjo Gakuin Daigaku ronshu. Studies in natural sciences	2015
Burn Depth	Burn Depth Determination with a Lightweight Handheld Video Microscope (Bscan-Pro®) **	Mihara Kyomi, Minako Ohtani, Kotaro Nagasaki	Koseido Nagasaki Hospital	Japanese Journal of Burn Injuries	2011
Food	Effects of ginger intake on body temperature and peripheral blood flow in humans **	Mikiko Asato	Chugoku Gakuen	Chugoku Gakuen Repository	2011
Geriatrics, Nursing (pressure ulcer)	Experience evaluating pressure ulcers using a handheld blood flow scope **	Joji Onishi, Atsuko Maekawa	Nagoya University, Aiseikan Kobayashi Memorial Hospital	Japanese Journal of Pressure Ulcers	2009

Please note that this is only a partial list.

* Honorific titles are omitted.

** Translated from the original.