

Curriculum vitae

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Major: Vascular Surgery
EDUCATION:
1975-1979 The University of Tokyo, Faculty of Medicine,
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Medical Thesis: September 1988

APPOINTMENTS:

1979- Resident, The university of Tokyo Hospital, Tokyo.
1980- Staff of General surgical Service, in several
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1989- Research fellow in Vascular surgery, Harvard
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1990- Staff of General Surgical Service, Fuchyu
Metropolitan General Hospital, Tokyo.
1992- Instructor in Vascular Surgery, The University of
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1998- Associate professor of Vascular Surgery, The
University of Tokyo, Tokyo.
2004- Chief in Vascular Surgery, The University of Tokyo
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2012- Professor of Vascular Surgery, Department of
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2014-present Director, Vascular Center, Sanno Hospital and Sanno
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MAIN PROFESSIONAL ACTIVITIES:

Executive Board Member: Japanese College of Angiology, The
Japanese Society for Vascular Surgery, The Japanese Society of
Phlebology
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RECENT PUBLICATUION

1. Kyo S, Imanaka K, Masuda M, Miyata T, Morita K, Morota T, Nomura M, Saiki Y, Sawa Y, Sueda T, Ueda Y, Yamazaki K, Yozu R, Iwamoto M, Kawamoto S, Koyama I, Kudo M, Matsumiya G, Orihashi K, Oshima H, Saito S, Sakamoto Y, Shigematsu K, Taketani T, Komuro I, Takamoto S, Tei C, Yamamoto F, and Japanese Circulation Society Joint Working G, Guidelines for Perioperative Cardiovascular Evaluation and Management for Noncardiac Surgery (JCS 2014) - Digest Version. *Circ J*, 81:245-67, 2017.
2. Urabe G, Hoshina K, Shimanuki T, Nishimori Y, Miyata T, and Deguchi J, Structural analysis of adventitial collagen to feature aging and aneurysm formation in human aorta. *J Vasc Surg*, 63:1341-50, 2016.
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4. Nakayama A, Morita H, Hayashi N, Nomura Y, Hoshina K, Shigematsu K, Ohtsu H, Miyata T, and Komuro I, Inverse Correlation Between Calcium Accumulation and the Expansion Rate of Abdominal Aortic Aneurysms. *Circ J*, 80:332-9, 2016.
5. Mochizuki Y, Hoshina K, Shigematsu K, Miyata T, and Watanabe T, Distal bypass to a critically ischemic foot increases the skin perfusion pressure at the opposite site of the distal anastomosis. *Vascular*, 24:361-7, 2016.
6. Mochizuki Y, Hosaka A, Kamiuchi H, Nie J X, Masamune K, Hoshina K, Miyata T, and Watanabe T, New simple image overlay system using a tablet PC for pinpoint identification of the appropriate site for anastomosis in peripheral arterial reconstruction. *Surg Today*, 46:1387-93, 2016.
7. Mayumi T, Yoshida M, Tazuma S, Furukawa A, Nishii O, Shigematsu K, Azuhata T, Itakura A, Kamei S, Kondo H, Maeda S, Mihara H, Mizooka M, Nishidate T, Obara H, Sato N, Takayama Y, Tsujikawa T, Fujii T, Miyata T, Maruyama I, Honda H, and Hirata K, The Practice Guidelines for Primary Care of Acute Abdomen 2015. *Jpn J Radiol*, 34:80-115, 2016.
8. Matsukura M, Hoshina K, Shigematsu K, Miyata T, and Watanabe T, Paramalleolar Arterial Bollinger Score in the Era of Diabetes and End-Stage Renal Disease - Usefulness for Predicting Operative Outcome of Critical Limb Ischemia. *Circ J*, 80:235-42, 2016.
9. Kusunoki M, Sato D, Nakamura T, Oshida Y, Tsutsui H, Natsume Y, Tsutsumi K, and Miyata T, The Beneficial Effects of the DPP-4

Inhibitor Alogliptin on Hemoglobin Alc and Serum Lipids in Japanese Patients with Type 2 Diabetes. Drug research, 66:18-22, 2016.

10. Kusunoki M, Natsume Y, Sato D, Tsutsui H, Miyata T, Tsutsumi K, Suga T, and Oshida Y, Luseogliflozin, A Sodium Glucose Co-transporter 2 Inhibitor, Alleviates Hepatic Impairment in Japanese Patients with Type 2 Diabetes. Drug research, 66:603-6, 2016.
11. Jibiki M, Miyata T, Futatsugi S, Iso M, and Sakanushi Y, Effect of the wide-spread use of endovenous laser ablation on the treatment of varicose veins in Japan: a large-scale, single institute study. Laser Ther, 25:171-7, 2016.
12. Hoshina K, Yamamoto K, Miyata T, and Watanabe T, Outcomes of Critical Limb Ischemia in Hemodialysis Patients After Distal Bypass Surgery- Poor Limb Prognosis With Stage 4 Wound, Ischemia, and Foot Infection (WIFI). Circ J, 80:2382-7, 2016.
13. Hosaka A, Nemoto M, and Miyata T, Outcomes of conservative management of spontaneous celiac artery dissection. J Vasc Surg, 65:760-765;2017.
14. Hosaka A, Miyata T, Nishiyama A, Miyahara T, Hoshina K, and Shigematsu K, Preservation of the accessory renal arteries after endovascular repair of common iliac artery aneurysm using kissing stent grafts. J Vasc Surg, 63:523-6, 2016.
15. Higashi Y, Miyata T, Shigematsu H, Origasa H, Fujita M, Matsuo H, Naritomi H, Matsuda H, Nakajima M, and Investigators S, Baseline Characterization of Japanese Peripheral Arterial Disease Patients- Analysis of Surveillance of Cardiovascular Events in Antiplatelet-Treated Arteriosclerosis Obliterans Patients in Japan (SEASON). Circ J, 80:712-21, 2016.
16. Hashimoto T, Chen L, Kimura H, Endler A, Koyama H, Miyata T, Shibasaki F, and Watanabe T, Silencing of eIF3e promotes blood perfusion recovery after limb ischemia through stabilization of hypoxia-inducible factor 2alpha activity. J Vasc Surg, 64:219-26 e3, 2016.
17. Watanabe Y, Miyata T, and Tanemoto K, Current Clinical Features of New Patients With Takayasu Arteritis Observed From Cross-Country Research in Japan: Age and Sex Specificity. Circulation, 132:1701-9, 2015.
18. Terao C, Matsumura T, Yoshifuji H, Kirino Y, Maejima Y, Nakaoka Y, Takahashi M, Amiya E, Tamura N, Nakajima T, Origuchi T, Horita T, Matsukura M, Kochi Y, Ogimoto A, Yamamoto M, Takahashi H, Nakayamada S, Saito K, Wada Y, Narita I, Kawaguchi Y, Yamanaka H, Ohmura K, Atsumi T, Tanemoto K, Miyata T, Kuwana M, Komuro I, Tabara Y, Ueda A, Isobe M, Mimori T, and Matsuda

- F, Takayasu arteritis and ulcerative colitis: high rate of co-occurrence and genetic overlap. *Arthritis Rheumatol*, 67:2226-32, 2015.
19. Taniguchi R, Hosaka A, Miyahara T, Hoshina K, Okamoto H, Shigematsu K, Miyata T, Sugiura R, Yokobori A T, Jr., and Watanabe T, Viscoelastic Deterioration of the Carotid Artery Vascular Wall is a Possible Predictor of Coronary Artery Disease. *Journal of atherosclerosis and thrombosis*, 22:415-23, 2015.
 20. Suzuki J, Aoyama N, Aoki M, Tada Y, Wakayama K, Akazawa H, Shigematsu K, Hoshina K, Izumi Y, Komuro I, Miyata T, Hirata Y, and Isobe M, Incidence of periodontitis in Japanese patients with cardiovascular diseases: a comparison between abdominal aortic aneurysm and arrhythmia. *Heart and vessels*, 30:498-502, 2015.
 21. Shirasu T, Miyata T, Nishiyama A, Miyahara T, Hoshina K, Shigematsu K, and Watanabe T, Useful predictors for critical limb ischemia in severely ischemic limbs. *Int Angiol*, 2015.
 22. Shirasu T, Hoshina K, Yamamoto S, Shigematsu K, Miyata T, and Watanabe T, Poor Prognosis in Critical Limb Ischemia Without Pre-Onset Intermittent Claudication. *Circ J*, 79:1618-23, 2015.
 23. Nishiyama A, Koyama H, Miyata T, and Watanabe T, Therapeutic site selection is important for the successful development of collateral vessels. *J Vasc Surg*, 62:190-9, 2015.
 24. Nemoto M, Koyama H, Nishiyama A, Shigematsu K, Miyata T, and Watanabe T, Adequate Selection of a Therapeutic Site Enables Efficient Development of Collateral Vessels in Angiogenic Treatment With Bone Marrow Mononuclear Cells. *Journal of the American Heart Association*, 4:2015.
 25. Nakayama A, Morita H, Hamamatsu A, Miyata T, Hoshina K, Nagayama M, Takanashi S, Sumiyoshi T, and Komuro I, Coronary atherosclerotic lesions in patients with a ruptured abdominal aortic aneurysm. *Heart and vessels*, 30:304-8, 2015.
 26. Miyahara T, Suhara M, Nemoto Y, Shirasu T, Haga M, Mochizuki Y, Matsukura M, Akai T, Taniguchi R, Nemoto M, Yamamoto S, Nishiyama A, Hosaka A, Hoshina K, Okamoto H, Shigematsu K, Miyata T, and Watanabe T, Long-Term Results of Treatment for Critical Limb Ischemia. *Ann Vasc Dis*, 8:192-7, 2015.
 27. Matsukura M, Ozaki K, Takahashi A, Onouchi Y, Morizono T, Komai H, Shigematsu H, Kudo T, Inoue Y, Kimura H, Hosaka A, Shigematsu K, Miyata T, Watanabe T, Tsunoda T, Kubo M, and Tanaka T, Genome-Wide Association Study of Peripheral Arterial Disease in a Japanese Population. *PLoS One*, 10:e0139262, 2015.

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31. Akai T, Hoshina K, Yamamoto S, Takeuchi H, Nemoto Y, Ohshima M, Shigematsu K, Miyata T, Yamauchi H, Ono M, and Watanabe T, Biomechanical analysis of an aortic aneurysm model and its clinical application to thoracic aortic aneurysms for defining "saccular" aneurysms. *Journal of the American Heart Association*, 4:e001547, 2015.
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34. Yamamoto S, Hosaka A, Okamoto H, Shigematsu K, Miyata T, and Watanabe T, Efficacy of revascularization for critical limb ischemia in patients with end-stage renal disease. *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery*, 48:316-24, 2014.
35. Taniguchi R, Hoshina K, Hosaka A, Miyahara T, Okamoto H, Shigematsu K, Miyata T, and Watanabe T, Strain analysis of wall motion in abdominal aortic aneurysms. *Ann Vasc Dis*, 7:393-8, 2014.
36. Taniguchi R, Hosaka A, Miyahara T, Hoshina K, Okamoto H, Shigematsu K, Miyata T, Sugiura R, Yokobori Jr A T, and Watanabe T, Viscoelastic Deterioration of the Carotid Artery Vascular Wall is a Possible Predictor of Coronary Artery Disease.

Journal of atherosclerosis and thrombosis, 2014.

37. Suzuki J, Aoyama N, Aoki M, Tada Y, Wakayama K, Akazawa H, Shigematsu K, Hoshina K, Izumi Y, Komuro I, Miyata T, Hirata Y, and Isobe M, High incidence of periodontitis in Japanese patients with abdominal aortic aneurysm. International heart journal, 55:268-70, 2014.
38. Park U J, Kim H T, Cho W H, Kim Y H, and Miyata T, Clinical course and angiographic changes of spontaneous isolated superior mesenteric artery dissection after conservative treatment. Surg Today, 44:2092-7, 2014.
39. Nishiyama A, Koyama H, Miyata T, and Watanabe T, Therapeutic site selection is important for the successful development of collateral vessels. J Vasc Surg, 2014.
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41. Nakayama A, Morita H, Hamamatsu A, Miyata T, Hoshina K, Nagayama M, Takanashi S, Sumiyoshi T, and Komuro I, Coronary atherosclerotic lesions in patients with a ruptured abdominal aortic aneurysm. Heart and vessels, 2014.
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45. Kamimura W, Koyama H, Miyata T, and Takato T, Sugar-based crosslinker forms a stable atelocollagen hydrogel that is a favorable microenvironment for 3D cell culture. J Biomed Mater Res A, 102:4309-16, 2014.
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50. Hosaka A, Miyata T, Hoshina K, Okamoto H, Shigematsu K, and Oshima A, Prognosis of arterial aneurysm after surgery in patients with Behcet's disease. *Int Angiol*, 33:419-25, 2014.
51. Hosaka A, Miyata T, Hoshina K, Okamoto H, and Shigematsu K, Surgical management of a primary external iliac venous aneurysm causing pulmonary thromboembolism: report of a case. *Surg Today*, 44:1771-3, 2014.
52. Akai T, Yamamoto K, Okamoto H, Shigematsu K, Otsu H, Watanabe T, and Miyata T, Usefulness of the Bollinger scoring method in evaluating peripheral artery angiography with 64-low computed tomography in patients with peripheral arterial disease. *Int Angiol*, 33:426-33, 2014.
53. Akai A, Watanabe Y, Hoshina K, Obitsu Y, Deguchi J, Sato O, Shigematsu K, and Miyata T, Family history of aortic aneurysm is an independent risk factor for more rapid growth of small abdominal aortic aneurysms in Japan. *J Vasc Surg*, 2014.
54. Yamamoto S, Hoshina K, Takazawa Y, Okamoto H, Shigematsu K, Miyata T, and Watanabe T, Aortic dissection occurring 18 months after successful endovascular repair in an anatomically difficult case of abdominal aortic aneurysm. *Case Rep Vasc Med*, 2013:412708, 2013.
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- aspects of the mouse aortocaval fistula. *J Vis Exp*, e50449, 2013.
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 61. Kusakabe M, Sasaki H, Sato J, Akahane M, Miyata T, and Ohtomol K, Percutaneous transluminal renal angioplasty with stenting for stenotic venous bypass grafts: report of two cases. *SpringerPlus*, 2:456-60, 2013.
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 65. Akai A, Okamoto H, Shigematsu K, Miyata T, and Watanabe T, Revascularization surgery for penile calciphylaxis. *J Vasc Surg*, 58:1665-7, 2013.