

Takashi Kunihara

Publications

1) Original article

(1) Single author

English

- 1) **Kunihara T.** Annular management during aortic valve repair: a systematic review. **Gen Thorac Cardiovasc Surg.** 2016;64:63-71. [IF 1.219]
- 2) **Kunihara T.** Anatomy of the aortic root: implications for aortic root reconstruction. **Gen Thorac Cardiovasc Surg.** 2017;65:488-99. [IF 1.219]
- 3) **Kunihara T.** Fixation or Disinfection? **Circ J.** 2018;82:2472-4. [IF 4.124]
- 4) **Kunihara T.** Toward standardization of valve-sparing root replacement and annuloplasty. **Gen Thorac Cardiovasc Surg.** 2018;66:685-91. [IF 1.219]
- 5) **Kunihara T.** Aortic valve repair for aortic regurgitation and preoperative echocardiographic assessment. **J Med Ultrason.** 2019;46:51-62. [IF 0.677]
- 6) **Kunihara T.** Valve-Sparing Aortic Root Surgery CON: Remodeling. **Gen Thorac Cardiovasc Surg.** 2019;67:82-92. [IF 1.219]
- 7) **Kunihara T.** Current trends in aortic valve-preserving surgery. Asian Cardiovasc Thorac Ann. 2020 Nov 22:218492320975937. doi: 10.1177/0218492320975937. Online ahead of print. [IF 0.41]

(2) First author

English

- 1) **Kunihara T,** Sasaki S, Shiiya N, Ishikura H, Kawarada Y, Matsukawa A, Yasuda K. Lazaroid Reduces Production of IL-8 and IL-1 Receptor Antagonist in Ischemic Spinal Cord Injury. **Ann Thorac Surg.** 2000;69:792-8 [IF 3.700]
- 2) **Kunihara T,** Shiiya N, Kamikubo Y, Matsui Y, Yasuda K. Midline Exposure of the Thoracoabdominal Aorta. **Ann Thorac Surg.** 2000;69:1951-3 [IF 3.700]
- 3) **Kunihara T,** Shiiya N, Yasuda K. Changes in S100 β protein levels in cerebrospinal fluid after thoracoabdominal aortic operations. **J Thorac Cardiovasc Surg.** 2001;122:1019-20 [IF 4.446]

- 4) Kunihara T**, Sasaki S, Shiiya N, Miyatake T, Mafune N, Yasuda K. Proinflammatory Cytokines in Cerebrospinal Fluid in Repair of Thoracoabdominal Aorta. **Ann Thorac Surg.** 2001;71:801-6 [IF 3.700]
- 5) Kunihara T**, Sasaki S, Shiiya N, Murashita T, Matsui Y, Yasuda K. Near Infrared Spectrophotometry Reflects Cerebral Metabolism during Hypothermic Circulatory Arrest in Adults. **ASAIO** 2001;47:417-21 [IF 2.190]
- 6) Kunihara T**, Sasaki S, Nishibe T, Kudo FA, Shiiya N, Murashita T, Yasuda K. Successful endovascular stent-grafting for thoracic aortic aneurysms in systemic lupus erithematosus Report of 2 cases and review of the literature. **J Cardiovasc Surg (Torino)** 2002;43:235-40 [IF 2.179]
- 7) Kunihara T**, Matsuzaki K, Shiiya N, Saijo Y, Yasuda K. Naloxone lowers cerebrospinal fluid levels of excitatory amino acids after thoracoabdominal aortic surgery. **J Vasc Surg.** 2004;40:681-690 [IF 3.536]
- 8) Kunihara T**, Shiiya N, Matsui Y, Yasuda K. Preliminary Report of Transesophageal Monitoring of Spinal Cord Ischemia Using Near-Infrared Spectrophotometry. **J Cardiovasc Surg (Torino)** 2004;45: 95-6 [IF 2.179]
- 9) Kunihara T**, Grün T, Aicher D, Langer F, Adam O, Wendler O, Saijo Y, Schäfers HJ. Hypothermic circulatory arrest is not a risk factor for neurologic morbidity in aortic surgery: a propensity score analysis. **J Thorac Cardiovasc Surg.** 2005;130:712-8 [IF 4.446]
- 10) Kunihara T**, Adachi A, Kudo FA, Shiiya N, Yasuda K. The less incisional retroperitoneal approach for abdominal aortic aneurysm repair to prevent postoperative flank bulge. **J Cardiovasc Surg (Torino).** 2005;46:527-31 [IF 2.179]
- 11)Kunihara T**, Schmidt K, Glombitza P, Dzindzibadze V, Lausberg H, Schäfers HJ. Root Replacement using Stentless Valves in the Small Aortic Root - A Propensity Score Analysis. **Ann Thorac Surg.** 2006;82:1379-84 [IF 3.700]
- 12) Kunihara T**, Shiiya N, Bin L, Yasuda K. Arterio-jugular differences in serum S-100beta proteins in patients receiving selective cerebral perfusion. **Surg Today.** 2006;36:6-11. [IF 1.745]
- 13) Kunihara T**, Tscholl D, Langer F, Heinz G, Sata F, Schäfers HJ. Cognitive brain function after hypothermic circulatory arrest assessed by cognitive P300 evoked potentials. **Eur J Cardiothorac Surg.** 2007;32:507-13. [IF 3.759]

- 14) Kunihara T**, Shiya N, Matsuzaki K, Murashita T, Matsui Y. Recommendation for appropriate use of GRF glue in the operation for acute aortic dissection. **Ann Thorac Cardiovasc Surg.** 2008;14:88-95. **[IF 0.658]**
- 15) Kunihara T**, Shiya N, Matsuzaki K, Matsui Y. Metabolic relevance during isolation technique in total arch repair for patients at high risk with embolic stroke. **Interact Cardiovasc Thorac Surg.** 2008;7:58-62. **[IF 1.857]**
- 16) Kunihara T**, Shiya N, Matsuzaki K, Sata F, Matsui Y. Near-infrared spectrophotometry is useful to detect the beneficial pharmacological effects of alprostadiol on spinal cord deoxygenation. **Ann Thorac Cardiovasc Surg.** 2008;14:376-81. **[IF 0.658]**
- 17) Kunihara T**, Iizuka K, Sasaki S, Shiya N, Sata F, Matsui Y. Optimal proportions of gelatin-resorcin-formalin components in aortic surgery. **Eur J Cardiothorac Surg.** 2009;36:962-6. **[IF 3.759]**
- 18) Kunihara T**, Shiya N, Wakasa S, Matsuzaki K, Matsui Y. Assessment of hepatosplanchic pathophysiology during thoracoabdominal aortic aneurysm repair using visceral perfusion and shunt. **Eur J Cardiothorac Surg.** 2009;35:677-83. **[IF 3.759]**
- 19) Kunihara T**, Möller M, Langer F, Sata F, Tscholl D, Aicher D, Schäfers HJ. Angiographic predictors of hemodynamic improvement after pulmonary endarterectomy. **Ann Thorac Surg.** 2010;90:957-64. **[IF 3.700]**
- 20) Kunihara T**, Gerdts J, Groesdonk H, Sata F, Langer F, Tscholl D, Aicher D, Schäfers HJ. Predictors of postoperative outcome after pulmonary endarterectomy from a 14-year experience with 279 patients. **Eur J Cardiothorac Surg.** 2011;40:154-61. **[IF 3.759]**
- 21) Kunihara T**, Aicher D, Rodionycheva S, Groesdonk HV, Langer F, Sata F, Schäfers HJ. Preoperative aortic root geometry and postoperative cusp configuration primarily determine long-term outcome after valve-preserving aortic root repair. **J Thorac Cardiovasc Surg.** 2012;143:1389-1395 **[IF 4.446]**
- 22) Kunihara T**, Aicher D, Rodionycheva S, Asano M, Tochii M, Sata F, Schäfers HJ. Outcomes after valve-preserving root surgery for patients with Marfan syndrome. **J Heart Valve Dis.** 2012;21:615-22. **[0.715]**
- 23) Kunihara T**, Aicher D, Asano M, Takahashi H, Heimann D, Sata F, Schäfers HJ. Risk factors for prophylactic proximal aortic replacement in the current era. **Clinical Research in Cardiology.** 2014;103:431-40. **[4.907]**

- 24) Kunihara T**, Neumann N, Kriechbaum SD, Aicher D, Schäfers HJ. Aortic root remodeling leads to good valve stability in acute aortic dissection and preexistent root dilatation. **J Thorac Cardiovasc Surg.** 2016;152:430-436. [IF 4.446]
- 25) Kunihara T**, Neumann N, Kriechbaum SD, Nomura R, Schäfers HJ. Long-term outcome of aortic root remodeling for patients with and without acute aortic dissection. **Circ J.** 2017;81:1824-31. [IF 4.124]
- 26) Kunihara T**, Arimura S, Sata F, Giebels C, Schneider U, Schäfers HJ. Aortic annulus does not dilate over time after aortic root remodeling with or without annuloplasty. **J Thorac Cardiovasc Surg.** 2018;155:885-94. [IF 4.446]
- 27) Kunihara T**, Wendler O, Heinrich K, Nomura R, Schäfers HJ. Coronary Artery Bypass Grafting in Diabetic Patients: Complete Arterial versus Internal Thoracic Artery and Sequential Vein Grafts-A Propensity-Score Matched Analysis. **Thorac Cardiovasc Surg.** 2019;67:428-36. [IF 1.536]
- 28) Kunihara T**, Ichihara N, Miyata H, Motomura N, Sasaki K, Matsuhami M, Takamoto S; Japan Cardiovascular Surgery Database. Valve-sparing root replacement and composite valve graft replacement in patients with aortic regurgitation: From the Japan Cardiovascular Surgery Database. **J Thorac Cardiovasc Surg.** 2019;158:1501-11.e6. [IF 4.446]
- 29) Kunihara T**, Vukic C, Sata F, Schäfers HJ. Surgical Thoracoabdominal Aortic Aneurysm Repair in a Non-High-Volume Institution. **Thorac Cardiovasc Surg.** 2020 Apr 12. doi: 10.1055/s-0040-1708470. [Epub ahead of print] [IF 1.536]

Japanese

- 1) Kunihara T**, Myojin K, Matano J, Tamura M. Clinical Measurement of Cerebral Metabolism and Oxygenation during Cardiovascular Surgery by Near-infrared Spectrophotometry. **The Japanese Journal of Vascular Surgery.** 1993;2:9-16.
- 2) Kunihara T**, Matano J, Myojin K. Closing Aortic Dissection -It's Clinical Manifestation and Treatment-. **The Japanese Journal of Thoracic and Cardiovascular Surgery.** . 1994;42:852-9.
- 3) Kunihara T**, Myojin K, Matano J, Tamura M. Clinical study on measurement of cerebral metabolism and oxygenation during cardio-pulmonary bypass by near-infrared spectrophotometry. **The Japanese Journal of Thoracic and Cardiovascular Surgery.** . 1995;43:1107-14.

- 4) **Kunihara T**, Myojin K, Sakuma M, Takahashi J, Tamura M, Yasuda K. Evaluation of pharmacological effects of Lipo PGE1 using near-infrared spectrophotometry. **The Journal of Japanese College of Angiology**. 1996;36:35-41.
- 5) **Kunihara T**, Myojin K, Sakuma M, Takahashi J, Tamura M, Yasuda K. A new method of perioperative evaluation of surgical effects for arterial occlusive disease.—especially efficacy of occlusion test-. **The Japanese Journal of Vascular Surgery**. 1996;5:541-8.
- 6) **Kunihara T**, Ishii K, Murakami T, Ishibashi Y, Myojin K. The surgical results of aged thoracic aortic aneurysm. **Kyobu Geka**. 1997;50:627-31.
- 7) **Kunihara T**, Yasuda K, Shiya N. Clinical Strategy for Reducing Homologous Blood Transfusion During Cardiovascular Surgery. **Journal of Clinical Surgery**. 1998;53:307-13.
- 8) **Kunihara T**, Koyama M, Fukada Y, Shiya N, Sasaki S, Murashita T, Matsui Y, Sakuma M, Myojin K, Yasuda K. Assessment and choice of therapeutic strategy for intermittent claudication using near-infrared spectrophotometry. **The Japanese Journal of Vascular Surgery**. 1998;7:649-57.
- 9) **Kunihara T**, Wakamatsu Y, Adachi A, Koyama M, Shiya N, Sasaki S, Murashita T, Matsui Y, Yasuda K. Clinical evaluation of hepatic blood flow and oxygen metabolism during thoracoabdominal aortic surgery using pulse dye-densitometry combined with hepatic venous oxygen saturation. **Kyobu Geka**. 2000;53:551-7.
- 10) **Kunihara T**, Yoshimoto K, Shiya N, Yasuda K. Individual temperature management during thoracoabdominal aortic aneurysm repair using separate perfusion of upper and lower torso. **Kyobu Geka**. 2004;57:175-80.
- 11) **Kunihara T**, Shiya N, Yasuda K. Strategy for spinal cord protection during thoracoabdominal aortic surgery. **Kyobu Geka**. 2004;57:319-24.
- 12) **Kunihara T**, Wakasa S, Matsuzaki K, Shiya N, Kubota T, Murashita T, Yasuda K. Surgical Results of Takayasu's Arteritis. **The Journal of Japanese College of Angiology**. 2004;44:363-73.
- 13) **Kunihara T**, Matsuzaki K, Kubota T, Shiya N, Murashita T, Yasuda K. Repair of Abdominal Aortic Aneurysm in Patients with Hostile abdomens —Particularly in Patients with Colostoma or Ureterostoma—. **The Journal of Japanese College of Angiology**. 2005;45:459-66.

(2) Second author or below

English

- 1) Sasaki S, Sakuma M, Samejima M, **Kunihara T**, Shiiya N, Murashita T, Matsui Y, Yasuda K. Ruptured abdominal aortic aneurysms: Analysis of factors influencing surgical results in 184 patients. **J Cardiovasc Surg (Torino)**. 1999;40:401-5. **[IF 2.179]**
- 2) Sasaki S, Takigami K, **Kunihara T**, Shiiya N, Murashita T, Matsui Y, Yasuda K. Abdominal aortic aneurysms in aged patients: analysis of risk factors in non-ruptured cases. **J Cardiovasc Surg (Torino)**. 1999;40:1-5. **[IF 2.179]**
- 3) Sasaki S, Sakuma M, **Kunihara T**, Yasuda K. Current Trends in Thromboangiitis Obliterans (Buerger's Disease) in Women. **Am J Surg**. 1999;177:316-20. **[IF 2.612]**
- 4) Sasaki S, Sakuma M, **Kunihara T**, Yasuda K. Distribution of Arterial Involvement in Thromboangiitis Obliterans (Buerger's Disease): Results of a Study Conducted by the Intractable Vasculitis Syndromes Research Group in Japan. **Surg Today**. 2000;30:600-5. **[IF 1.745]**
- 5) Sasaki S, Kubota S, **Kunihara T**, Shiiya N, Yasuda K. Surgical experience of the thoracic aortic aneurysm due to Takayasu's arteritis. **Int J Cardiol**. 2000;75:S129-34. **[IF 6.189]**
- 6) Sasaki S, Yasuda K, **Kunihara T**, Shiiya N, Murashita T, Matsui Y, Sakuma M. Surgical results of Stanford type B aortic dissection Comparisons between partial and subtotal replacement of the dissected aorta. **J Cardiovasc Surg (Torino)**. 2000;41:227-32. **[IF 2.179]**
- 7) Shiiya N, **Kunihara T**, Imamura M, Murashita, T, Matsui Y, Yasuda K. Surgical management of atherosclerotic aortic arch aneurysms using selective cerebral perfusion: 7-year experience in 52 patients. **Eur J Cardiothorac Surg**. 2000;17:266-71. **[IF 3.759]**
- 8) Shiiya N, **Kunihara T**, Kamikubo Y, Yasuda K. Isolation Technique for Stroke Prevention in Patients With a Mobile Atheroma. **Ann Thorac Surg**. 2001;72:1401-2. **[IF 3.700]**
- 9) Murashita T, **Kunihara T**, Shiiya N, Aoki H, Myojin K, Yasuda K. Is preservation of the aortic valve different between acute and chronic type A aortic dissections? **Eur J Cardiothorac Surg**. 2001;20:967-72 **[IF 3.759]**

- 10) Sasaki S, Fukada Y, **Kunihara T**, Shiiya N, Matsui Y, Yasuda K. Preoperative disseminated intravascular coagulation associated with aortic aneurysms. **J Cardiovasc Surg (Torino)**. 2001;42:595-9. [IF 2.179]
- 11) Wakamatsu Y, Shiiya N, **Kunihara T**, Watanabe S, Yasuda K. The adenosine triphosphate-sensitive potassium channel opener nicorandil protects the ischemic rabbit spinal cord. **J Thorac Cardiovasc Surg**. 2001;122:728-33. [IF 4.446]
- 12) Langer F, Schramm R, Bauer M, Tschoell D, **Kunihara T**, Schafers HJ. Cytokine response to pulmonary thromboendarterectomy. **Chest**. 2004;126:135-41. [IF 6.044]
- 13) Shiiya N, **Kunihara T**, Miyatake T, Matsuzaki K, Yasuda K. Tau Protein in the Cerebrospinal Fluid is a Marker of Brain Injury After Aortic Surgery. **Ann Thorac Surg**. 2004;77:2034-8. [IF 3.700]
- 14) Langer F, Bauer M, Tschoell D, Schramm R, **Kunihara T**, Lausberg H, Georg T, Wilkens H, Schäfers HJ. Circulating big endothelin-1: an active role in pulmonary thromboendarterectomy? **J Thorac Cardiovasc Surg**. 2005;130:1342-7. [IF 4.446]
- 15) Shiiya N, **Kunihara T**, Matsuzaki K, Yasuda K. Evolving strategy and results of spinal cord protection in type I and II thoracoabdominal aortic aneurysm repair. **Ann Thorac Cardiovasc Surg**. 2005;11:178-85. [IF 0.658]
- 16) Flores J, **Kunihara T**, Shiiya N, Nishibe T, Kudo F, Yasuda K. Inhibition of intimal/medial hyperplasia by perindopril in canine vein grafts. **Ann Vasc Surg**. 2005;19:499-506. [IF 1.145]
- 17) Flores J, Shiiya N, **Kunihara T**, Matsuzaki K, Yasuda K. Risk of spinal cord injury after operations of recurrent aneurysms of the descending aorta. **Ann Thorac Surg**. 2005;79:1245-9. [IF 3.700]
- 18) Tachibana T, Shiiya N, **Kunihara T**, Wakamatsu Y, Kudo AF, Ooka T, Watanabe S, Yasuda K. Immunophilin ligands FK506 and cyclosporine A improve neurologic and histopathologic outcome after transient spinal cord ischemia in rabbits. **J Thorac Cardiovasc Surg**. 2005;129:123-8. [IF 4.446]
- 19) Flores J, Shiiya N, **Kunihara T**, Yoshimoto K, Matsuzaki K, Yamashita T, Tanino M, Yasuda K: True aneurysm of an ilio-femoral saphenous vein graft. **J Cardiovasc Surg (Torino)**. 2005;46:182-3. [IF 2.179]

- 20) Flores J, **Kunihara T**, Shiiya N, Yoshimoto K, Matsuzaki K, Yasuda K. Extensive deployment of the stented elephant trunk is associated with an increased risk of spinal cord injury. **J Thorac Cardiovasc Surg.** 2006;131:336-42. **[IF 4.446]**
- 21) Shiiya N, Matsuzaki K, **Kunihara T**, Murashita T, Matsui Y. Management of vital organ malperfusion in acute aortic dissection: proposal of a mechanism-specific approach. **Gen Thorac Cardiovasc Surg.** 2007;55:85-90. **[IF 1.219]**
- 22) Shingu Y, Shiiya N, Mikami T, Matsuzaki K, **Kunihara T**, Matsui Y. Left ventricular diastolic dysfunction in chronic aortic dissection. **Ann Thorac Surg.** 2007;83:1356-60. **[IF 3.700]**
- 23) Schäfers HJ, **Kunihara T**. Towards safer reoperations: special aspects in aortic dissection. **Eur J Cardiothorac Surg.** 2008;33:700-2. **[IF 3.759]**
- 24) Langer F, **Kunihara T**, Hell K, Schramm R, Schmidt KI, Aicher D, Kindermann M, Schäfers HJ. RING+STRING: Successful repair technique for ischemic mitral regurgitation with severe leaflet tethering. **Circulation.** 2009;120:S85-91. **[IF 19.309]**
- 25) Schäfers HJ, **Kunihara T**, Fries P, Brittner B, Aicher D. Valve-preserving root replacement in bicuspid aortic valves. **J Thorac Cardiovasc Surg.** 2010;140:S36-40. **[IF 4.446]**
- 26) Schäfers HJ, Langer F, Glombitza P, **Kunihara T**, Fries R, Aicher D. Aortic valve reconstruction in myxomatous degeneration of aortic valves: are fenestrations a risk factor for repair failure? **J Thorac Cardiovasc Surg.** 2010;139:660-4. **[IF 4.446]**
- 27) Schäfers HJ, **Kunihara T**, Fries P, Brittner B, Aicher D. Valve-preserving root replacement in bicuspid aortic valves. **J Thorac Cardiovasc Surg.** 2010;140:S36-40. **[IF 4.446]**
- 28) Langer F, Groesdonk HV, **Kunihara T**, Schäfers HJ. Dynamic RING + STRING for ischemic mitral regurgitation: Papillary muscle repositioning and modification of the septal-lateral diameter in the loaded beating heart under echocardiographic guidance. **J Thorac Cardiovasc Surg.** 2011;141:1315-6. **[IF 4.446]**

- 29) Aicher D, **Kunihara T**, Abou Issa O, Brittner B, Gräber S, Schäfers HJ. Valve configuration determines long-term results after repair of the bicuspid aortic valve. **Circulation**. 2011;123:178-85. [IF 19.309]
- 30) Mayer K, Aicher D, Feldner S, **Kunihara T**, Schäfers HJ. Repair versus replacement of the aortic valve in active infective endocarditis. **Eur J Cardiothorac Surg**. 2012;42:122-7. [IF 3.759]
- 31) Asano M, **Kunihara T**, Aicher D, El Beyrouti H, Rodionycheva S, Schäfers HJ. Mid-term results after sinutubular junction remodelling with aortic cusp repair. **Eur J Cardiothorac Surg**. 2012;42:1010-5. [IF 3.759]
- 32) Giebels C, Aicher D, **Kunihara T**, Rodionycheva S, Schmied W, Schäfers HJ. Causes and management of aortic valve regurgitation after aortic valve reimplantation. **J Thorac Cardiovasc Surg**. 2013;145:774-80. [IF 4.446]
- 33) Aicher D, Schneider U, Schmied W, Psych D, **Kunihara T**, Tochii M, Schäfers HJ. Early results with annular support in reconstruction of the bicuspid aortic valve. **J Thorac Cardiovasc Surg**. 2013;145:S30-4. [IF 4.446]
- 34) Massmann A, **Kunihara T**, Fries P, Schneider G, Buecker A, Schäfers HJ. Uncovered stent implantation in complicated acute aortic dissection type B. **J Thorac Cardiovasc Surg**. 2014 2014;148:3003-11. [IF 4.446]
- 35) Schäfers HJ, Raddatz A, Schmied W, Takahashi H, Miura Y, **Kunihara T**, Aicher D. Reexamining remodeling. **J Thorac Cardiovasc Surg**. 2015;149:S30-6. [IF 4.446]
- 36) Kaneko H, Suzuki S, Goto M, Yuzawa Y, Arita T, Yagi N, Murata N, Kato Y, Kano H, Matsuno S, Otsuka T, Uejima T, Takai H, Oikawa Y, **Kunihara T**, Nagashima K, Kirigaya H, Sagara K, Sawada H, Aizawa T, Yajima J, Yamashita T. Geriatric nutritional risk index in hospitalized heart failure patients. **Int J Cardiol**. 2015;181:213-5. [IF 6.189]
- 37) Yamashita T, Sekiguchi A, Suzuki S, Ohtsuka T, Sagara K, Tanabe H, **Kunihara T**, Sawada H, Aizawa T. Enlargement of the left atrium is associated with increased infiltration of immune cells in patients with atrial fibrillation who had undergone surgery. **Journal of arrhythmia**. 2015;31:78-82.
- 38) Suzuki S, Otsuka T, Sagara K, Semba H, Kano H, Matsuno S, Takai H, Kato Y, Uejima T, Oikawa Y, Nagashima K, Kirigaya H, **Kunihara T**, Yajima J, Sawada H, Aizawa T, Yamashita T. ABO Blood Type and Response of Activated Partial

Thromboplastin Time to Dabigatran in Nonvalvular Atrial Fibrillation Patients.

Circ J. 2015;79:2274-7. [IF 4.124]

- 39) Kato Y, Suzuki S, Kano H, Semba H, Matsuno S, Takai H, Otsuka T, Uejima T, Oikawa Y, Nagashima K, Kirigaya H, Sagara K, **Kunihara T**, Yajima J, Sawada H, Aizawa T, Yamashita T. Prognostic significance of exercise capacity and resting heart rate: Comparison between atrial fibrillation and sinus rhythm. **Int J Cardiol.** 2016;203:561-3. [IF 6.189]
- 40) Suzuki S, Otsuka T, Sagara K, Semba H, Kano H, Matsuno S, Takai H, Kato Y, Uejima T, Oikawa Y, Nagashima K, Kirigaya H, **Kunihara T**, Yajima J, Sawada H, Aizawa T, Yamashita T. Nine-Year Trend of Anticoagulation Use, Thromboembolic Events, and Major Bleeding in Patients With Non-Valvular Atrial Fibrillation - Shinken Database Analysis. **Circ J.** 2016;80:639-49. [IF 4.124]
- 41) Kato Y, Suzuki S, Uejima T, Semba H, Kano H, Matsuno S, Takai H, Otsuka T, Oikawa Y, Nagashima K, Kirigaya H, Sagara K, **Kunihara T**, Yajima J, Sawada H, Aizawa T, Yamashita T. Impact of BNP level and peak VO₂ on future heart failure events: comparison between sinus rhythm and atrial fibrillation. **Heart Vessels.** 2017;32:428-35. [IF 3.434]
- 42) Takai H, Miyata H, Motomura N, Sasaki K, **Kunihara T**, Takamoto S. Comparison of early outcomes of surgical ablation procedures for atrial fibrillation concomitant to non-mitral cardiac surgery: a Japan Adult Cardiovascular Surgery Database study. **Gen Thorac Cardiovasc Surg.** 2017;65:500-5. [IF 1.219]
- 43) Numao Y, Suzuki S, Arita T, Yagi N, Otsuka T, Sagara K, Semba H, Sasaki K, Kano H, Matsuno S, Kato Y, Uejima T, Oikawa Y, Nagashima K, Kirigaya H, **Kunihara T**, Yajima J, Aizawa T, Yamashita T. Predictors of International Normalized Ratio Variability in Patients With Atrial Fibrillation Under Warfarin Therapy. **Circ J.** 2017;82:39-45 [IF 4.124]
- 44) Arimura S, Seki M, Sasaki K, Takai H, Matsuhamo M, **Kunihara T**, Okita Y, Takanashi S, Komiya T, Yaku H, Okabayashi H, Takemura H, Arai H, Sawazaki M, Matsui Y, Shiyya N. A nationwide survey of aortic valve surgery in Japan: current status of valve preservation in cases with aortic regurgitation. **Gen Thorac Cardiovasc Surg.** 2017;65:429-34. [IF 1.219]

- 45) Suzuki S, Otsuka T, Sagara K, Semba H, Kano H, Matsuno S, Takai H, Kato Y, Uejima T, Oikawa Y, Nagashima K, Kirigaya H, Yajima J, **Kunihara T**, Sawada H, Aizawa T, Yamashita T. Effects of Smoking on Ischemic Stroke, Intracranial Hemorrhage, and Coronary Artery Events in Japanese Patients With Non-Valvular Atrial Fibrillation. **Int Heart J.** 2017;58:506-15. [IF 1.826]
- 46) Nishio K, Tanihara F, Nguyen TV, **Kunihara T**, Nii M, Hirata M, Takemoto T, Otoi T. Effects of voltage strength during electroporation on the development and quality of in vitro-produced porcine embryos. **Reprod Domest Anim.** 2018;53:313-8. [IF 1.422]
- 47) Kato Y, Suzuki S, Uejima T, Semba H, Nagayama O, Hayama E, Arita T, Yagi N, Kano H, Matsuno S, Otsuka T, Oikawa Y, **Kunihara T**, Yajima J, Yamashita T. Relationship between the prognostic value of ventilatory efficiency and age in patients with heart failure. **Eur J Prev Cardiol.** 2018;25:731-9. [IF 4.542]
- 48) Arai R, Suzuki S, Semba H, Arita T, Yagi N, Otsuka T, Sagara K, Sasaki K, Kano H, Matsuno S, Kato Y, Uejima T, Oikawa Y, **Kunihara T**, Yajima J, Yamashita T. The predictive role of E/e' on ischemic stroke and atrial fibrillation in Japanese patients without atrial fibrillation. **J Cardiol.** 2018;72:33-41. [IF 2.918]
- 49) Aihara K, Kato Y, Suzuki S, Arita T, Yagi N, Semba H, Kano H, Matsuno S, Otsuka T, Uejima T, Oikawa Y, **Kunihara T**, Yajima J, Yamashita T. Prognostic value of the heart rate profile during exercise in patients with atrial fibrillation. **Eur J Prev Cardiol.** 2018;25:1634-41. [IF 4.542]
- 50) Matsuhama M, Arimura S, Sasaki K, Semba H, Kato Y, Suzuki S, Uejima T, Yajima J, Yamashita T, **Kunihara T**. External suture annuloplasty for mild to moderate and moderate aortic regurgitation due to an isolated type Ic lesion. **Gen Thorac Cardiovasc Surg.** 2019;67:855-60. [IF 1.219]
- 51) Akutsu K, Yoshino H, Shimokawa T, Ogino H, **Kunihara T**, Takahashi T, Usui M, Watanabe K, Tobaru T, Hagiya K, Shimizu W, Niino T, Kawata M, Masuhara H, Watanabe Y, Yoshida N, Yamamoto T, Nagao K, Takayama M; Tokyo CCU Network and Tokyo Acute Aortic Super Network. Is systolic blood pressure high in patients with acute aortic dissection on first medical contact before hospital transfer? **Heart Vessels.** 2019;34:1748-57 [IF 3.434]
- 52) Langer F, **Kunihara T**, Miyahara S, Fahrig L, Blümel M, Klär A, Raddatz A, Karlova I, Bekhit A, Schäfers HJ. Bilateral papillary muscle repositioning:

- successful repair of functional mitral regurgitation in dilative cardiomyopathy. **Eur J Cardiothorac Surg.** 2020;57:285-92. [IF 3.759]
- 53) Nakao M, Morita K, Shinohara G, **Kunihara T**. Excellent Restoration of Left Ventricular Compliance After Prolonged Del Nido Single-Dose Cardioplegia in an In Vivo Piglet Model. **Semin Thorac Cardiovasc Surg.** 2019 Aug 8. pii: S1043-0679(19)30247-3. doi: 10.1053/j.semtcvs.2019.08.003. [Epub ahead of print]
- 54) Nakao M, Morita K, Shinohara G, **Kunihara T**. Modified Del Nido Cardioplegia and Its Evaluation in a Piglet Model. **Semin Thorac Cardiovasc Surg.** 2020 May 7:S1043-0679(20)30051-4. doi: 10.1053/j.semtcvs.2020.03.002. Online ahead of print.
- 55) Miyahara S, Schröder TA, Wilkens H, Karlova I, Langer F, **Kunihara T**, Schäfers HJ. An Evaluation of the Learning Curve in Pulmonary Endarterectomy Using Propensity Score Matching. **Thorac Cardiovasc Surg.** 2020 Sep 4. doi: 10.1055/s-0040-1714747. Online ahead of print. [IF 1.536]
- 56) Izumi C, Eishi K, Ashihara K, Arita T, Otsuji Y, **Kunihara T**, Komiya T, Shibata T, Seo Y, Daimon M, Takanashi S, Tanaka H, Nakatani S, Ninami H, Nishi H, Hayashida K, Yaku H, Yamaguchi J, Yamamoto K, Watanabe H, Abe Y, Amaki M, Amano M, Obase K, Tabata M, Miura T, Miyake M, Murata M, Watanabe N, Akasaka T, Okita Y, Kimura T, Sawa Y, Yoshida K; Japanese Circulation Society Joint Working Group. JCS/JSCS/JATS/JSVS 2020 Guidelines on the Management of Valvular Heart Disease. **Circ J.** 2020;84:2037-119.
- 57) Miyahara S, Schröder TA, Wilkens H, Karlova I, Langer F, **Kunihara T**, Schäfers HJ. Long-term outcomes after pulmonary endarterectomy in 499 patients over a 20-year period. **Ann Thorac Surg.** 2020 Sep 16:S0003-4975(20)31488-0. doi: 10.1016/j.athoracsur.2020.06.122. Online ahead of print. [IF 3.700]
- 58) Ehrlich T, Karlova I, Froede L, Giebels C, **Kunihara T**, Schäfers HJ. Aortic Root Remodeling in Acute Aortic Dissection. **Thorac Cardiovasc Surg.** 2020 Dec 1. doi: 10.1055/s-0040-1718937. Online ahead of print. [IF 1.536]
- 59) Nakamura K, Orii K, Abe T, Haida H, Hashimoto K, **Kunihara T**. Triangular resection versus folding repair for simple posterior mitral leaflet lesions: case-control study. **Cardiovasc Diagn Ther.** 2020;10:1839-46. [IF 2.615]

Japanese

- 1) Myojin K, Murakami T, **Kunihara T**. Evaluation of usefulness in combined administration of sarpogrelate hydrochloride and PGI2 derivative for arteriosclerosis obliterans. **Japanese Pharmacology & Therapeutics**. 1996;24:185-93.
- 2) Sakuma M, **Kunihara T**, Shiiya N, Sasaki S, Murashita T, Matsui Y, Yasuda K. Progress and transition of surgical treatment: peripheral blood vessels. **The Hokkaido Journal of Surgery**. 1996;41:149-54.
- 3) Sakuma M, **Kunihara T**, Oe K, Takigami K, Kawasaki M, Ishii K, Sasaki S, Shiiya N, Matsui Y, Yasuda K: Evaluation of late patency results and graft-derived complications of lower limb revascularization. **The Japanese Journal of Vascular Surgery**. 1996;5:157-63.
- 4) Shigematsu H, Komiyama T, Hosoi Y, Yasuda K, Myojin K, **Kunihara T**, Ouchi H, Ichiki M, Ishimaru S, Tsuchida H, Yomo T, Hamaoka T, Urayama H, Ohta T, Tobita K, Tsushima N, Matsuo H, Homma S, Hayashi T, Esato K, Zempo N, and Fujioka K. Efficacy evaluation of argatroban for intermittent claudication due to arteriosclerosis obliterans-A study using near infrared spectroscopy-. **Therapeutic Research** 1997;18:313-20.
- 5) Myojin K, Ishibashi Y, Ishii K, Itoh M, Watanabe T, Kunishige H, **Kunihara T**. Early and long-term outcome for surgical treatment of acute aortic dissection. **Kyobu Geka**. 1998;51:636-40.
- 6) Yasuda K, Shiiya N, Murashita T, **Kunihara T**, Miyatake T, Kamikubo Y, Ishii K, Matsui Y, Sakai K, Myojin K, Takahashi J. Long-term results of operation for acute type A aortic dissection. **Kyobu Geka**. 1998;51:670-6.
- 7) Yasuda K, Takigami K, **Kunihara T**, Shiiya N, Sasaki S, Sakuma M: Postoperative quality of life of elderly aortic aneurysm patients. **The Japanese Journal of Clinical and Experimental Medicine**. 1998;75:1976-80.
- 8) Shiiya N, **Kunihara T**, Suto Y, Kubota T, Yoshimoto K, Murashita T, Sasaki S, Matsui Y, Sakuma M, Yasuda K: Evaluation of platelet function during collection and retransfusion of autologous platelets and during cardiopulmonary bypass by hemoSTATUS™. **Japanese Journal of Artificial Organs**. 1998;27:402-4.
- 9) Yasuda K, Shiiya N, **Kunihara T**. Topics in surgical treatment: Aorta. **The Hokkaido Journal of Surgery**. 1999;44:6-11.

- 10) Myojin K, **Kunihara T**. Special issue: Toward prevention of aggravation of arteriosclerosis obliterans: Treatment 2. Drug therapy 2) Selection of injection drug (vasodilator, antithrombin drug) -Evaluation of drug efficacy by near infrared spectroscopy-. **Progress in Medicine** 1999;19:292-6.
- 11) Shiiya N, **Kunihara T**, Yamauchi H, Kamikubo Y, Murashita T, Sasaki S, Matsui Y, Sakuma M, Yasuda K: Use of selective visceral shunting during operation for Thoracoabdominal aortic aneurysm. Clinical assessment of organ protection. **Japanese Journal of Artificial Organs**. 1999;28:100-3.
- 12) Matsui Y, Miyatake T, Hatta E, **Kunihara T**, Nishibe T, Shiiya N, Murashita T, Yasuda K. Reoperation for mechanical prosthetic valve obstruction. **Japanese Journal of Artificial Organs**. 2000;29:390-3.
- 13) Matsuzaki K, Shiiya N, Maruyama R, **Kunihara T**, Murashita T, Yasuda K. Early and long-term results of surgery for aortic arch aneurysms using selective cerebral perfusion. **Kyobu Geka**. 2002;55:315-9.
- 14) Fukada Y, Matsui Y, Yamauchi H, **Kunihara T**, Shiiya N, Murashita T, Yasuda K. An evaluation of the potential ischemia of the forearm after harvesting of radial artery by near infrared spectroscopy. **Kyobu Geka**. 2002;55:549-53.
- 15) Shiiya N, Matsuzaki K, Maruyama R, **Kunihara T**, Murashita T, Aoki H, Yasuda K. Surgical results for aortic involvement in Marfan syndrome. **Kyobu Geka**. 2002;55:S644-9.
- 16) Sugiki H, Murashita T, **Kunihara T**, Matsuzaki K, Shiiya N, Yasuda K. Risk factors for the surgical repair of ventricular septal perforation; an 8-year multiinstitutional analysis. **Kyobu Geka**. 2005;58:278-83.
- 17) Shiiya N, **Kunihara T**, Matsuzaki K, Yasuda K. Aortic aneurysm surgery and protection of the brain and the spinal cord protection. **The Hokkaido Journal of Surgery**. 2005;50:2-9.
- 18) Matsuzaki K, Tamashita T, Oh-oka T, Yoshimoto K, **Kunihara T**, Shiiya N. Subfascial endoscopic perforator surgery using vein harvesting device. **The Japanese Journal of Phlebology**. 2005;16:339-43.
- 19) Shiiya N, Matsuzaki K, **Kunihara T**, Murashita T, Yasuda K. Is thoracic and thoracoabdominal aortic surgery in octogenarians justified from the standpoint of limited change in the activity of daily life? **The Journal of Japanese College of Angiology**. 2005;45:365-70.

- 20)** Shingu Y, Shiya N, Matsuzaki K, **Kunihara T**, Murashita T, Matsui Y. Effect of sivelestat sodium on acute lung injury after acute aortic dissection. **Kyobu Geka**. 2008;61:440-3.

2) Case report

(1) First author

English

- 1)** **Kunihara T**, Shiya N, Oh-oka T, Yasuda K. Off pump ascending to descending aorta bypass grafting with descending aneurysm exclusion. **Thorac Cardiov Surg** 2004;52:374-5. **[IF 1.424]**
- 2)** **Kunihara T**, Dzindzibadze V, Aicher D, Schäfers HJ. Bidirectional cavopulmonary shunt for acute right ventricular failure in an adult patient. **Ann Thorac Surg**. 2004;78:1066-8 **[IF 3.700]**

Japanese

- 1)** **Kunihara T**, Myojin K, Matano J, Sasaki S, Maeda K, Inomata H. Two cases of thymic cysts and review of the 220 Japanese cases. **The Japanese Journal of Thoracic and Cardiovascular Surgery**. . 1993;41:2389-94.
- 2)** **Kunihara T**, Matano J, Myojin K, Takeda T. Experience with an operated cervico-mediastinal neuroblastoma in infant. **Kyobu Geka**. 1994;47:160-3.
- 3)** **Kunihara T**, Eya K, Miyatake T, Shiya N, Yasuda K. A case of takayasu's arteritis that developed impending ruptured subclavian artery aneurysm associated with sepsis during steroid therapy. **Japanese Journal of Cardiovascular Surgery**. 2004;33:433-6.
- 4)** **Kunihara T**, Murashita T, Shiya N, Yasuda K. Surgical treatment for a patient with crawford type iii thoracoabdominal aortic aneurysm associated with occlusion of the visceral and the iliac arteries. **Japanese Journal of Cardiovascular Surgery**. 2004;33:387-90.
- 5)** **Kunihara T**, Matsuzaki K, Shiya N, Yasuda K. A case report of delayed-onset lower spinal cord injury after replacement of the aortic arch and the descending thoracic aorta using a stented elephant trunk. **Japanese Journal of Cardiovascular Surgery**. 2004;33:189-92.
- 6)** **Kunihara T**, Shiya N, Yasuda K. Surgical repair for a patient with Safi-V thoracoabdominal aortic aneurysm with a concomitant infrarenal abdominal aortic

aneurysm : a modification to minimize the duration of extracorporeal circulation and organ ischemia in thoracoabdominal aortic aneurysm repair. **The Japanese Journal of Vascular Surgery.** 2004;13:473-6.

- 7) **Kunihara T**, Matsui Y, Murashita T, Shiiya N, Oka J, Yasuda K. Acute type A aortic dissection associated with intestinal necrosis. **Kyobu Geka.** 2005;58:356-60.
- 8) **Kunihara T**, Matsuzaki K, Shiiya N, Yasuda K. Crawford type II thoracoabdominal aortic aneurysm repair using deep hypothermic circulatory arrest and continuous proximal aortic perfusion. **Kyobu Geka.** 2005;58:186-90.

(2) Second author or below

English

- 1) Dudra J, Shiiya N, **Kunihara T**, Sasaki S, Yasuda K. Takayasu's aortitis treated surgically by extensive aortic replacement: A case report. **J Cardiovasc Surg (Torino)** 1999;40:865-70. [IF 2.179]
- 2) Nishibe T, Koizumi J, Kudo FA, Kubota S, Oka J, **Kunihara T**, Yasuda K. Repair of False Para-anastomotic Aortic Aneurysms Using an Endovascular Stent Graft Technique in a Patient with Severe Pulmonary Disease: Report of a Case. **Surg Today.** 2001;31:1110-2. [IF 1.745]
- 3) Matsuzaki K, Shiiya N, Kubota S, **Kunihara T**, Murashita T, Matsui Y, Yasuda K. A Case of an Ascending Aortic Aneurysm due to Mesoaortitis Complicated with Idiopathic Thrombocytopenic Purpura. **Ann Thorac Cardiovasc Surg.** 2001;7:315-8. [IF 0.658]
- 4) Flores J, Shiiya N, Nishibe T, Miyazaki K, Matsuzaki K, **Kunihara T**, Watanabe T, Kudo FA, Murashita T, Yasuda K. Surgical Management of Aneurysms of the Aortic Arch Vessels and Their Branches: Report of Four Cases. **Surg Today.** 2003;33:917-21. [IF 1.745]
- 5) Flores J, Shiiya N, **Kunihara T**, Yoshimoto K, Yasuda K. Aortoesophageal Fistula. Alternatives of Treatment Case Report and Literature Review. **Ann Thorac Cardiovasc Surg.** 2004;10:241-6. [IF 0.658]
- 6) Flores J, Shiiya N, **Kunihara T**, Yoshimoto K, Yasuda K. Selective Perfusion of the Upper and Lower Body under Different Levels of Hypothermia in a Patient with Coronary Artery Disease and Dissecting Thoracoabdominal Aortic Aneurysm. **Ann Thorac Cardiovasc Surg.** 2004;10:205-8. [IF 0.658]

- 7) Flores J, Shiiya N, Matsuzaki K, **Kunihara T**, Ota S, Yasuda K. Stenosis of the abdominal aorta caused by fibromuscular dysplasia. **Int Angiol.** 2004;23:288-90. **[IF 1.370]**
- 8) Flores J, Shiiya N, **Kunihara T**, Yoshimoto K, Matsuzaki K, Yasuda K. Reoperations after failure of stent grafting for type B aortic dissection: report of two cases. **Surg Today.** 2005;35:581-5. **[IF 1.745]**
- 9) Murashita T, Sugiki T, Tachibana T, **Kunihara T**, Sugiki H. A case of giant cell myocarditis: bridge to recovery by long-term mechanical circulatory support without immunosuppressive therapy. **J Thorac Cardiovasc Surg.** 2006;132:432-3. **[IF 4.446]**
- 10) Shiiya N, **Kunihara T**, Matsuzaki K, Sugiki T. Spontaneous perigraft hematoma suggesting transgraft hemorrhage seven years after thoracic aortic replacement with a Dacron graft. **Eur J Cardiothorac Surg.** 2006;30:402-4. **[IF 3.759]**
- 11) Shiiya N, Matsuzaki K, Yamashita T, Sugiki H, Kato H, **Kunihara T**, Murashita T. Proximal aortic replacement with ascending-descending bypass for a diffuse aneurysm: report of a case. **Surg Today.** 2006;36:541-5. **[IF 1.745]**
- 12) Shiiya N, Sawada A, Tanaka E, Tachibana T, Matsuzaki K, **Kunihara T**. Percutaneous mesenteric stenting followed by laparoscopic exploration for visceral malperfusion in acute type B aortic dissection. **Ann Vasc Surg.** 2006;20:521-4. **[IF 1.145]**
- 13) Shingu Y, Shiiya N, Matsuzaki K, **Kunihara T**, Matsui Y. Dysphagia due to aortic diverticulum: an adult surgical case. **Ann Thorac Cardiovasc Surg.** 2007;13:132-4. **[IF 0.658]**
- 14) Shingu Y, Shiiya N, Sugiki T, Wakasa S, Matsuzaki K, **Kunihara T**, Matsui Y. Microembolization from an abdominal aortic aneurysm after thoracic aortic replacement. **Ann Thorac Cardiovasc Surg.** 2008;14:126-8. **[IF 0.658]**
- 15) Massmann A, **Kunihara T**, Fries P, Schneider GK, Bücker A, Schäfers HJ. A 77-year-old woman with dyspnea and cardiac mass. **Chest.** 2012;142:523-7. **[IF 6.044]**
- 16) Miura Y, **Kunihara T**, Kawaguchi S, Mitsuoka H, Nakai M, Waki M, Onodera T, Yamazaki F. Quadricuspid aortic valve repair by neo-cuspidization of an accessory cusp using autologous pericardium. **Gen Thorac Cardiovasc Surg.** 2020 Apr 13. doi: 10.1007/s11748-020-01359-6. [Epub ahead of print] **[IF 1.219]**

- 17) Nakao M, Yoshitake M, Matsumura Y, Takagi T, Arimura S, Nagahori R, Bando K, Masuzawa A, Ono M, **Kunihara T**. Aortic root destruction after aortic valvuloplasty for bicuspid aortic valve. **Gen Thorac Cardiovasc Surg.** 2020 Jul 25. doi: 10.1007/s11748-020-01448-6. Online ahead of print. [IF 1.219]

Japanese

- 1) Yoshimoto K, Hatta E, **Kunihara T**, Miyatake T, Kubota T, Shiya N, Murashita T, Sasaki S, Matsui Y, Sakuma M, Yasuda K. Abdominal aortic aneurysm repair with reconstruction of the polar artery. **The Hokkaido Journal of Surgery.** 1997;42:264-7.
- 2) Myojin K, Murakami T, Ishii K, **Kunihara T**. Candida costochondral osteomyelitis, report of a case and review of the literature. **The Japanese Journal of Thoracic and Cardiovascular Surgery.** 1997;45:1862-5.
- 3) Myojin K, Murakami T, Ishii K, **Kunihara T**. An emergent oreration for metastatic cardiac tumor of malignant cystosarcoma phyllodes. **The Japanese Journal of Thoracic and Cardiovascular Surgery.** . 1998;46:202-6.
- 4) Matsuzaki K, Shiya N, **Kunihara T**, Miyatake T, Hatta E, Murashita T, Yasuda K. Infected false aneurysm due to methicillin-resistant staphylococcus aureus after proximal aortic grafting. **Kyobu Geka.** 2003;56:207-10.
- 5) Fukada Y, Matsui Y, **Kunihara T**, Funakoshi T, Shiya N, Yasuda K. Aberrant subclavian artery. **Kyobu Geka.** 2004;57:871-5.
- 6) Yoshimoto K, Shiya N, **Kunihara T**, Yasuda K. Extended retroperitoneal approach for ruptured juxtarenal abdominal aortic aneurysm in a patient with a history of laparotomy. **Japanese Journal of Cardiovascular Surgery.** 2005;34:409-412.
- 7) Oh-oka T, **Kunihara T**, Murashita T, Tsujino I, Ando M, Yasuda K. A case of pulmonary endarterectomy for chronic thromboembolic pulmonary hypertension in a young patient with deep vein thrombosis -The first surgical case in Hokkaido-. **The Hokkaido Journal of Surgery.** 2005;50:121-6.
- 8) Matsuzaki K, Shiya N, **Kunihara T**, Murashita T, Matsui Y. Reconstruction of neck vessels in endovascular repair of aortic arch aneurysms. **Kyobu Geka.** 2006;59:887-92.

- 9) Shiiya N, Yoshimoto K, **Kunihara T**, Yamashita T. Hemiarach replacement and concomitant valve repair for proximal aortic aneurysm accompanying bicuspid aortic valve with mild regurgitation. **Kyobu Geka.** 2006;59:95-9.
- 10) Matsuzaki K, Shiiya N, Yamashita T, **Kunihara T**, Murashita T, Yasuda K. Late graft occlusion of axillofemoral bypass after the repair of an infected aortic aneurysm : revascularization using the descending aorta as an inflow source. **The Japanese Journal of Vascular Surgery.** 2006;15:47-9.
- 11) Matsuzaki K, Shiiya N, Yamashita T, **Kunihara T**. Aortoureteric fistula after total cystectomy complicated with multidrug-resistant pseudomonas infection. **Japanese Journal of Cardiovascular Surgery.** 2006;35:275-7.
- 12) Matsuhamama M, Arimura S, Sasaki K, **Kunihara T**. Treatment of isolated type ic lesion-induced aortic regurgitation by external suture annuloplasty alone. **Japanese Journal of Cardiovascular Surgery.** 2019; 48:239-44.
- 13) Arimura S, Nakao M, Nishioka N, Matsumura Y, Yoshitake M, Nagahori R, Bando K, Morita K, **Kunihara T**. A Case of Successful Valve Repair in Traumatic Aortic Regurgitation Associated with the Dilated Aortic Annulus. **Japanese Journal of Cardiovascular Surgery.** 2020;49:358-61.

3) Review

(1) Single author

- 1) **Kunihara T.** Does aortic valvuloplasty failed?! We would like to know this! Echocardiography urban legend. **Echocardiography Summer Seminar 2014.** Tokyo, Bunkodo. 2014;15:862-7.
- 2) **Kunihara T.** 5. Advance in surgical therapy b. Can aortic valve be repaired? Monthly journal **Heart View** Special issue “Knowledge of cardiac surgery necessary for physicians”. Tokyo, Medical View. 2015;19:82-9.
- 3) **Kunihara T.** Aortic root replacement·Valve-sparing root replacement. **Intensivist** Special issue “Cardiovascular Surgery : The first part”. Tokyo, Medical Science International. 2015;28:793-803.
- 4) **Kunihara T.** Indication for aortic valvuloplasty. **Heart** Special issue. Tokyo, Japan Medical Publisher. 2016;48:72-83
- 5) **Kunihara T.** Tips and pitfalls of operation. Aortic root remodeling operation. **Journal of Japan Surgical Society.** 2016;117:332-336.

- 6) **Kunihara T.** Indication and outcome of aortic valvuloplasty. **Japan Medical Journal.** 2017;4852:57-8.
- 7) **Kunihara T.** Aortic regurgitation- Cardiovascular Institute Hospital Style. B Surgery. That's right! Cardiovascular Surgery-This is what we do! **Echocardiography.** Tokyo, Bunkodo. 2018;19:448-54.
- 8) **Kunihara T.** Technique of aortic valve repair for aortic regurgitation and preoperative echocardiographic assessment. **Japanese Journal of Medical Ultrasonics.** 2018;45:403-17.
- 9) **Kunihara T.** Valve-sparing root replacement and aortic valvuloplasty for aortic regurgitation. **Heart View.** 2019;23:80-6.
- 10) **Kunihara T.** Standardization of valve-sparing aortic root replacement operation using aortic root remodeling procedure combined with external suture annuloplasty. **Kyobu Geka.** 2020;73:35-40.

4) Book

(1) Single authos

None

(2) First author

English

- 1) **Kunihara T**, Myojin K, Tamura M, Yasuda K, Ishii K, Sasaki S, Murashita T, Murakami T, Shiiya N, Matsui Y, Sakuma M. Monitoring of cerebral metabolism by near-infrared spectrophotometry and jugular venous oxygen saturation, in Kawashima Y and Takamoto S (ed), **Brain Protection in Aortic Surgery**, Excerpta Medica International Congress Series 1130, 1997, pp 79-89. Elsevier Science B.V., Amsterdam.
- 2) **Kunihara T**, Wakamatsu Y, Yasuda K. Chapter 2 Prevention of Spinal Cord Ischemia Associated with Aortic Aneurysm Repair 5. Experimental and Clinical Researches for Preventing Spinal Cord Injury Related to Aortic Crossclamping. In: Advances in Vascular Surgery. **Hokkaido University Medical Library Series.** 2003;44:83-95.
- 3) **Kunihara T**, Kubota S, Wakasa S, Shiiya N, Matsui Y. Prevention of spinal cord injury after thoracoabdominal aortic aneurysm repair. **Diagnosis and treatment of abdominal and thoracic aortic aneurysms including the ascending aorta**

and the aortic arch. Eds; Grundmann RT. 2011, pp 187-208. InTech, Rijeka, Croatia.

- 4) **Kunihara T**, Schäfers HJ. Chapter 106, Valve-Preserving Aortic Replacement. **Cardiothoracic surgery review.** Eds; Franco KL, Thourani VH. 2012, pp 465-7. Lippincott Williams & Wilkins, Philadelphia, PA, USA.
- 5) **Kunihara T**. Chapter 9, Valve preserving aortic replacement. **Current Treatment of Aortic Regurgitation.** Ed; Schäfers HJ. 2013, pp 99-108. UNI-MED Verlag AG, Bremen, Germany.
- 6) **Kunihara T**. Chapter 6, Aortoscopy to evaluate cusp configuration after aortic valvuloplasty. **Aortic Valve Preservation, Concepts and Approaches.** Eds; **Kunihara T**, Takanashi S. 2019, pp 53-6, Springer Nature Singapore. Singapore.
- 7) **Kunihara T**. Chapter 16, History, techniques, and outcomes of the remodeling method. **Aortic Valve Preservation, Concepts and Approaches.** Eds; **Kunihara T**, Takanashi S. 2019, pp 111-21, Springer Nature Singapore. Singapore.
- 8) **Kunihara T**. Chapter 18, Variations and outcomes of annuloplasty. **Aortic Valve Preservation, Concepts and Approaches.** Eds; **Kunihara T**, Takanashi S. 2019, pp 127-37, Springer Nature Singapore. Singapore.

Japanese

- 1) **Kunihara T**: Chapter 2: Drugs used for treatment 2) Antiplatelet agents 3 Sarpogrelate hydrochloride (Anplag). **Pharmacological Treatment of Limb Vascular Diseases.** Eds; Esato K, Zempo N. 2000, pp 37-45. Ishiyaku Publishers, Tokyo.
- 2) **Kunihara T**: Chapter 2: Drugs used for treatment 2) Antiplatelet agents 4 Cilostazol (Pletaal). **Pharmacological Treatment of Limb Vascular Diseases.** Eds; Esato K, Zempo N. 2000, pp 46-53. Ishiyaku Publishers, Tokyo.
- 3) **Kunihara T**: Chapter 2: Drugs used for treatment 2) Antiplatelet agents 5 Ticlopidine hydrochloride (Panaldin). **Pharmacological Treatment of Limb Vascular Diseases.** Eds; Esato K, Zempo N. 2000, pp 54-62. Ishiyaku Publishers, Tokyo.
- 4) **Kunihara T**. Chapter VIII-3 Near-infrared spectrophotometry monitoring. **Knack&Pitfalls of Aortic Surgery.** Ed; Takamoto S. 2005, pp 178-80. Bunkodo, Tokyo.

- 5) **Kunihara T**, Yasuda K. Treatment options for acute aortic dissection with visceral organ ischemia. **Pitfalls and Knack of treatment of Aortic Aneurysm and Dissection**. Eds; Tabayashi K, Kuribayashi Y. 2006, pp 86-8. Nakayama Shoten. Tokyo.
- 6) **Kunihara T**, Yasuda K. Prevention and surgical treatment of pseudoaneurysm of the ascending aorta. **Pitfalls and Knack of treatment of Aortic Aneurysm and Dissection**. Eds; Tabayashi K, Kuribayashi Y. 2006, pp 244-5. Nakayama Shoten, Tokyo.
- 7) **Kunihara T**. Chapter VI-1 Hypothermic circulatory arrest. **Knack&Pitfalls of Aortic Surgery (2nd ed.)**. Ed; Takamoto S. 2013, pp 110-4. Bunkodo, Tokyo.
- 8) **Kunihara T**. Chapter VIII-3 Near-infrared spectrophotometry monitoring. **Knack&Pitfalls of Aortic Surgery (2nd ed.)**. Ed; Takamoto S. 2013, pp 183-5. Bunkodo, Tokyo.
- 9) **Kunihara T**. Surgical management of valvular heart disease. **Resident the Basic of Cardiology**. Ed; The Cardiovascular Institute. 2015, pp 297-306. Medical View, Tokyo.
- 10) **Kunihara T**. History, techniques, and outcomes of the remodeling method. **All About Aortic Valvuloplasty**. Eds; **Kunihara T**, Takanashi S. 2015, pp 59-65. Bunkodo. Tokyo.
- 11) **Kunihara T**. Variations and outcomes of annuloplasty. **All About Aortic Valvuloplasty**. Eds; **Kunihara T**, Takanashi S. 2015, pp 69-76. Bunkodo. Tokyo.
- 12) **Kunihara T**. Aortic valvuloplasty for aortic regurgitation. **Perioperative Management on Cardiovascular Surgery: Essential Information for the Heart Team**. Ed; **Kunihara T** 2017, pp 260-71. Medical view. Tokyo.
- 13) **Kunihara T**. Aortic root replacement·Valve-sparing root replacement. **Perioperative Management on Cardiovascular Surgery: Essential Information for the Heart Team**. Ed; **Kunihara T** 2017, pp 447-57. Medical view. Tokyo.
- 14) **Kunihara T**. Aortic valvuloplasty: Tricuspid aortic valve. **Heart Valve Repair Surgery Manual**. Eds; Isomura T, Komiya T, **Kunihara T**. 2017, pp 60-79. Nankodo. Tokyo.
- 15) **Kunihara T**. Aortic valvuloplasty: Bicuspid aortic valve. **Heart Valve Repair Surgery Manual**. Eds; Isomura T, Komiya T, **Kunihara T**. 2017, pp 80-93. Nankodo. Tokyo.

- 16) Kunihara T.** Valve-sparing root replacement: Remodeling (Yacoub) technique. **Heart Valve Repair Surgery Manual.** Eds; Isomura T, Komiya T, **Kunihara T.** 2017, pp 94-107. Nankodo. Tokyo.
- 17) Kunihara T.** Valve-sparing root replacement: Remodeling technique with annuloplasty. **Cardiac / Aortic Surgery-Basics, Tips, Crux.** Ed; Osaka S. 2018, pp 65-8. Igaku-Shoin. Tokyo.
- 18) Kunihara T.** Aortic valvuloplasty for aortic regurgitation. **Japanese Journal of Clinical Medicine.** Vol. 77 Special Issue 1 Heart Failure (2nd Edition) -Latest Basic and Clinical Research Progress-. 2019, pp 483-8. Nippon-rinsho. Tokyo.
- 19) Kunihara T.** III Valvular Heart Disease : Indicaiton and technique of aortic valvuloplasty. Separate volume of **Japanese Journal of Clinical Medicine: Cardiovascular Syndrome** (3rd edition). 2019, pp 437-41 Nippon-rinsho. Tokyo.
- 20) Kunihara T.** 8. Coronary artery bypass grafting. **Current Therapy in Cardiovascular Diseases 2020-2021.** Eds; Itoh H, Yamashita T. 2020, pp 171-5. Nankodo. Tokyo.
- 21) Kunihara T.** 9. Myocardial protection. D. Practical version. (2) Myocardial protection in aortic root surgery. **Cardiovascular Surgery Basic Techniques That Cannot Be Heard Now.** Eds; Yokoyama H, Fukuda I, Bando K, Tanaka C. 2020, pp 122-4. Nankodo. Tokyo.
- 22) Kunihara T.** 4. The annulus was perforated after excision of the calcification of the aortic annulus. **“Intraoperative crisis” analyzed by cardiovascular surgery experts -pitfall and recovery.** Eds; Yaku H, Tanemoto K, Azuma N, Shimizu H, Fukui T, Okamoto K. 2020, Nankodo.Tokyo.
- 23) Kunihara T.** 11. Transesophageal echocardiography showed perivalvular leakage during weaning from cardiopulmonary bypass. **“Intraoperative crisis” analyzed by cardiovascular surgery experts -pitfall and recovery.** Eds; Yaku H, Tanemoto K, Azuma N, Shimizu H, Fukui T, Okamoto K. 2020, Nankodo.Tokyo.

(3) Second author or below

English

- 1) Yasuda K, Shiiya N, Miyatake T, Matsuzaki K, **Kunihara T.** Chapter 1 Thoracic and Thoracoabdominal Aortic Aneurysms Repair 3. Surgical Results of Thoracic and Thoracoabdominal Aortic Aneurysm Repair: A 12-year Experience with

332Aneurysms in Hokkaido University Hospital. Advances in Vascular Surgery
Hokkaido University Medical Library Series. 2003;44:45-70.

- 2) Yasuda K, Shiiya N, **Kunihara T.** Chapter 1 Thoracic and Thoracoabdominal Aortic Aneurysms Repair 2. Surgery of Aortic Aneurysms and Brain Protection. Advances in Vascular Surgery **Hokkaido University Medical Library Series.** 2003;44:17-43.
- 3) Schäfers HJ, **Kunihara T.** Chapter 43, Arterial Revascularization of Coronary Artery Disease. **Cardiovascular Interventions in Clinical Practice.** Eds; Haase J, Schäfers HJ, Sievert H, Waksman R. 2010, pp 457-72. Wiley-Blackwell, Hoboken, NJ, USA.
- 4) Arimura S, **Kunihara T.** Chapter 9, Trends in aortic valve-sparing surgery. **Aortic Valve Preservation, Concepts and Approaches.** Eds; **Kunihara T**, Takanashi S. 2019, pp 67-70, Springer Nature Singapore. Singapore.

Japanese

- 1) Yasuda K, Shiiya N, **Kunihara T.** Chapter 5 Aortic dissection. 2. Type B aortic dissection. b) Graft replacement. **Aortic Aneurysm Surgery Learned From Experts.** Ed; Yasuda K. 2003, pp184-94. Medical Review, Tokyo.
- 2) Yasuda K, Shiiya N, **Kunihara T.** Chapter 6 Extended aortic replacement. b) Extended aortic replacement-2. Total/subtotal aortic replacement. **Aortic Aneurysm Surgery Learned From Experts.** Ed; Yasuda K. 2003, pp213-28. Medical Review, Tokyo.

Summary

		Japanese	English
Original article	Single author		7
	First author	13	29
	Second author or below	20	59
Case report	Single author		
	First author	8	2
	Second author or below	13	17
Review	Single author	10	
	First author		
	Second author or below		
Book	Single author		
	First author	23	8
	Second author or below	2	4
Total		89	126

(Updated at 3rd January 2021)