

呼吸器外科学

○主な研究内容

- 1 肺癌術後の残存肺における気腫用性変化の研究
- 2 胸腔鏡手術に関する手術手技、デバイスの研究
- 3 胸部疾患に対する胸腔鏡による手術適応拡大の研究
- 4 肺癌に対する外科治療の縮小手術適応に関する研究

○Pub Med 掲載論文 (2018 年)

1. Left upper pulmonary vein connected to the persistent left superior vena cava and the left atrium.

Maki R, Miyajima M, Mishina T, Watanabe A.
Gen Thorac Cardiovasc Surg. 2018 Oct 6. doi: 10.1007/s11748-018-1018-7. [Epub ahead of print]
PMID: 30293219

2. Thoracoscopic Right Basilar Segmentectomy after Right Upper Lobectomy.

Tada M, Miyajima M, Mishina T, Takahashi Y, Maki R, Watanabe A.
Ann Thorac Surg. 2018 Aug 2. pii: S0003-4975(18)31045-2. doi: 10.1016/j.athoracsur.2018.06.041. [Epub ahead of print]
PMID: 30077592

3. A new ENG mutation in a Japanese family with hereditary hemorrhagic telangiectasia and pulmonary arteriovenous malformations.

Yokoo K, Yamada G, Chiba H, Ishikawa A, Morisaki H, Saijo H, Kudoh S, Kitamura Y, Hirokawa N, Miyajima M, Watanabe A, Takahashi H.
Respir Med Case Rep. 2018 Jul 2;25:73-77. doi: 10.1016/j.rmcr.2018.07.001. eCollection 2018.
PMID: 30073140 Free PMC Article

4. Thoracoscopic one-stage lobectomy and diaphragmatic plication for T3 lung cancer.

Takahashi Y, Miyajima M, Mishina T, Maki R, Tada M, Tsuruta K, Watanabe A.
J Cardiothorac Surg. 2018 Jul 9;13(1):86. doi: 10.1186/s13019-018-0766-x.
PMID: 29986737 Free PMC Article

5. Truncus Superior Artery Ventral to the Apical Vein of the Right Upper Lobe.

Maki R, Miyajima M, Mishina T, Watanabe A.
Ann Thorac Surg. 2018 Jul;106(1):e39. doi: 10.1016/j.athoracsur.2018.01.049. Epub 2018 Feb 23. No abstract available.
PMID: 29481788

6. Reply to Suciu et al.

Mishina T, Watanabe A, Miyajima M.

Eur J Cardiothorac Surg. 2018 Apr 1;53(4):896. doi: 10.1093/ejcts/ezx425. No abstract available.

PMID: 29253096

7. What factors determine the survival of patients with an acute exacerbation of interstitial lung disease after lung cancer resection?

Miyajima M, Watanabe A, Sato T, Teramukai S, Ebina M, Kishi K, Sugiyama Y, Kondo H, Kobayashi S, Takahashi Y, Ito H, Yamamoto R, Sawada S, Fujimori H, Okabe K, Arikura J, Shintani Y, Nakamura H, Toyooka S, Hasumi T, Watanabe T, Hata Y, Iwata H, Aoki M, Funai K, Inoue S, Kawashima O, Iida T, Date H.

Surg Today. 2018 Apr;48(4):404-415. doi: 10.1007/s00595-017-1605-8. Epub 2017 Nov 9.

PMID: 29124429

8. Survivin knockdown induces senescence in TTF-1-expressing, KRAS-mutant lung adenocarcinomas.

Sumi T, Hirai S, Yamaguchi M, Tanaka Y, Tada M, Yamada G, Hasegawa T, Miyagi Y, Niki T, Watanabe A, Takahashi H, Sakuma Y.

Int J Oncol. 2018 Jul;53(1):33-46. doi: 10.3892/ijo.2018.4365. Epub 2018 Apr 11.

PMID: 29658609 Free PMC Article

9. Characterization of distal airway stem-like cells expressing N-terminally truncated p63 and thyroid transcription factor-1 in the human lung.

Tanaka Y, Yamaguchi M, Hirai S, Sumi T, Tada M, Saito A, Chiba H, Kojima T, Watanabe A, Takahashi H, Sakuma Y.

Exp Cell Res. 2018 Nov 15;372(2):141-149. doi: 10.1016/j.yexcr.2018.09.020. Epub 2018 Sep 27.

PMID: 30268759

10. Pulmonary Non-tuberculous Mycobacteriosis Complicated with Pulmonary Large Cell Neuroendocrine Carcinoma; Report of a Case.

Nakashima S, Maeda T, Muraki S, Sakurada T, Osawa H, Watanabe A.

Kyobu Geka. 2018 Sep;71(9):712-715. Japanese.

PMID: 30185750

11. p40 Negative Basaloid Squamous Cell Carcinoma of the Lung; Report of a Case.

Maki R, Sugita S, Ono Y, Miyajima M, Tada M, Takahashi Y, Mishina T, Watanabe A.

Kyobu Geka. 2018 Jul;71(7):547-550. Japanese.

PMID: 30042259

○その他論文 (2018年)

1. 左肺全摘後，体外式肺補助下に胸腔鏡下右肺区域切除を行った1例
多田 周，高橋 有毅，榎 龍之輔，三品 泰二郎，宮島 正博，渡辺 敦
肺癌 2018年 58巻 4号 298-302
2. 高齢者気管腺様嚢胞癌に対し気管管状切除・再建術を施行した1例
多田 周，高橋 有毅，榎 龍之輔，三品 泰二郎，宮島 正博，渡辺 敦
肺癌 2017年 57巻 7号 870-874 発行日：2017/12/20

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- 4 肺癌に対する外科治療の縮小手術適応に関する研究

○Pub Med 掲載論文 (2017 年)

1. Relationship between onset of spontaneous pneumothorax and weather conditions.
Mishina T, Watanabe A, Miyajima M, Nakazawa J.
Eur J Cardiothorac Surg. 2017 Sep 1;52(3):529-533. doi: 10.1093/ejcts/ezx128.
PMID: 28874036

2. [Management of Pulmonary Thromboembolism].
[Management of Pulmonary Thromboembolism].
Mishina T, Miyajima M, Watanabe A.
Kyobu Geka. 2017 Jul;70(8):678-682. Japanese.
PMID: 28790288

3. Angiotensin-converting enzyme 2 is a potential therapeutic target for EGFR-mutant lung adenocarcinoma.

Yamaguchi M, Hirai S, Sumi T, Tanaka Y, Tada M, Nishii Y, Hasegawa T, Uchida H, Yamada G, Watanabe A, Takahashi H, Sakuma Y.
Biochem Biophys Res Commun. 2017 Jun 3;487(3):613-618. doi: 10.1016/j.bbrc.2017.04.102.
Epub 2017 Apr 20.
PMID: 28433633

4. Video-assisted thoracoscopic surgery node dissection for lung cancer treatment.

Watanabe A, Miyajima M, Mishina T, Tsuruta K, Takahashi Y, Maki R, Tada M.
Surg Today. 2017 Dec;47(12):1419-1428. doi: 10.1007/s00595-017-1494-x. Epub 2017 Mar 11.
Review.
PMID: 28285463

5. Fibroblastic foci, covered with alveolar epithelia exhibiting epithelial-mesenchymal transition, destroy alveolar septa by disrupting blood flow in idiopathic pulmonary fibrosis.

Yamaguchi M, Hirai S, Tanaka Y, Sumi T, Miyajima M, Mishina T, Yamada G, Otsuka M, Hasegawa T, Kojima T, Niki T, Watanabe A, Takahashi H, Sakuma Y.
Lab Invest. 2017; 97: 232-242.
PMID: 27941755

6. What factors determine the survival of patients with an acute exacerbation of

interstitial lung disease after lung cancer resection?

Miyajima M, Watanabe A, Sato T, Teramukai S, Ebina M, Kishi K, Sugiyama Y, Kondo H, Kobayashi S, Takahashi Y, Ito H, Yamamoto R, Sawada S, Fujimori H, Okabe K, Arikura J, Shintani Y, Nakamura H, Toyooka S, Hasumi T, Watanabe T, Hata Y, Iwata H, Aoki M, Funai K, Inoue S, Kawashima O, Iida T, Date H.

Surg Today. 2017 Nov 9. doi: 10.1007/s00595-017-1605-8. [Epub ahead of print]

PMID:29124429

7. Sumi T, Hirai S, Yamaguchi M, Tanaka Y, Tada M, Yamada G, Hasegawa T, Miyagi Y, Niki T, Watanabe A, Takahashi H, *Sakuma Y. Survivin knockdown induces senescence in TTF-1-expressing, KRAS-mutant lung adenocarcinomas. Int J Onco

○その他の論文 (2017年)

1. 高齢者気管腺様嚢胞癌に対し気管管状切除・再建術を施行した1例 多田 周, 高橋 有毅, 榎龍之輔, 三品 泰二郎, 宮島 正博, 渡辺 敦 肺癌 2017年 57巻 7号 870-874 発行日: 2017/12/20

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- 4 肺癌に対する外科治療の縮小手術適応に関する研究

○Pub Med 掲載論文 (2016 年)

1. The Outcomes of a Limited Resection for Non-Small Cell Lung Cancer Based on Differences in Pathology.

Yano M, Yoshida J, Koike T, Kameyama K, Shimamoto A, Nishio W, Yoshimoto K, Utsumi T, Shiina T, Watanabe A, Yamato Y, Watanabe T, Takahashi Y, Sonobe M, Kuroda H, Oda M, Inoue M, Tanahashi M, Adachi H, Saito M, Hayashi M, Otsuka H, Mizobuchi T, Moriya Y, Takahashi M, Nishikawa S, Matsumura Y, Moriyama S, Fujii Y.

World J Surg. 2016 Nov;40(11):2688-2697. PMID: 27365098

2. Early and late recurrence after intentional limited resection for cT1aN0M0, non-small cell lung cancer: from a multi-institutional, retrospective analysis in Japan.

Matsumura Y, Yano M, Yoshida J, Koike T, Kameyama K, Shimamoto A, Nishio W, Yoshimoto K, Utsumi T, Shiina T, Watanabe A, Yamato Y, Watanabe T, Takahashi Y, Sonobe M, Kuroda H, Oda M, Inoue M, Tanahashi M, Adachi H, Saito M, Hayashi M, Otsuka H, Mizobuchi T, Moriya Y, Takahashi M, Nishikawa S, Suzuki H; Japanese Association for Chest Surgery..

Interact Cardiovasc Thorac Surg. 2016 Sep;23(3):444-9. doi: 10.1093/icvts/ivw125.

PMID: 27226401

3. Fibroblastic foci, covered with alveolar epithelia exhibiting epithelial-mesenchymal transition, destroy alveolar septa by disrupting blood flow in idiopathic pulmonary fibrosis.

Yamaguchi M, Hirai S, Tanaka Y, Sumi T, Miyajima M, Mishina T, Yamada G, Otsuka M, Hasegawa T, Kojima T, Niki T, Watanabe A, Takahashi H, Sakuma Y,

Lab Invest. 2016 Dec 12. doi: 10.1038/labinvest.2016.135. [Epub ahead of print]

4. Prolyl isomerase Pin1 promotes survival in EGFR-mutant lung adenocarcinoma cells with an epithelial-mesenchymal transition phenotype.

Sakuma Y, Nishikiori H, Hirai S, Yamaguchi M, Yamada G, Watanabe A, Hasegawa T, Kojima T, Niki T, Takahashi H.

Lab Invest. 2016 Apr;96(4):391-8. doi: 10.1038/labinvest.2015.155.

PMID: 26752745

5. Echographic Examination for Leg Vein Thromboembolism in Thoracic Surgery.

Mawatari T, Narayama K, Shibata T, Saga T, Baba T, Morishita K, Niwa J, Watanabe Y, Yamashita T, Hirakata N, Watanabe A. Kyobu Geka. 2016 Jul;69(7):491-4. Japanese.

○その他論文 (2016 年)

1. 呼吸器外科手術における下肢静脈血栓の検索調査。馬渡徹、檜山耕平、柴田豪、佐賀俊文、馬場俊雄、森下清文、丹羽潤、渡邊祐介、山下辰志、平方奈津子、渡辺敦、胸部外科 69491-494.2016

2. 肺癌の背景に見られる間質性肺炎をどう診断しマネージするか 外科的立場から (総説)
伊達洋至 (京都大学 大学院医学研究課科器官外科学講座呼吸器外科)
佐藤 寿彦、渡辺 敦、近藤晴彦、
肺癌 (0386-9628) 55 巻 6 号 page 900-904(2015.10)

3. 術前 CT ガイド下マーキングを契機に空気塞栓症を発症した 3 症例 (原著論文/
症例報告) Author, 森 勇樹、山田 玄、汐谷 心、藤井 偉、渡辺 敦。高橋 弘毅、
日本呼吸器学会誌 (2186-5876) 5 巻 4 号 (2186-5876)

① Page226-229(2016.07)抄録を見る

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- 4 肺癌に対する外科治療の縮小手術適応に関する研究

○Pub Med 掲載論文 (2015 年)

1. Sato H, Mishina T, Miyajima M, Watanabe A.
[Pulmonary Carcinoid Tumor with Cushing's Syndrome in a Patient who Underwent Pulmonary Resection by Video-Assisted Thoracic Surgery; Report of a Case].
Kyobu Geka. 2015 Jul;68(7):543-5.
2. Ishikawa K, Hamasuna R, Uehara S, Yasuda M, Yamamoto S, Hayami H, Takahashi S, Matsumoto T, Minamitani S, Kadota J, Iwata S, Kaku M, Watanabe A, Sunakawa K, Sato J, Hanaki H, Tsukamoto T, Kiyota H, Egawa S, Deguchi T, Matsumoto M, Tanaka K, Arakawa S, Fujisawa M, Kumon H, Kobayashi K, Matsubara A, Wakeda H, Amemoto Y, Onodera S, Goto H, Komeda H, Yamashita M, Takenaka T, Fujimoto Y, Tsugawa M, Takahashi Y, Maeda H, Onishi H, Ishitoya S, Nishimura K, Mitsumori K, Ito T, Togo Y, Nakamura I, Ito N, Kanamaru S, Hirose T, Muranaka T, Yamada D, Ishihara S, Oka H, Inatomi H, Matsui T, Kobuke M, Kunishima Y, Kimura T, Ichikawa T, Kagara I, Matsukawa M, Takahashi K, Mita K, Kato M, Okumura K, Kawanishi H, Hashimura T, Aoyama T, Shigeta M, Koda S, Taguchi K, Matsuda Y.
Japanese nationwide surveillance in 2011 of antibacterial susceptibility patterns of clinical isolates from complicated urinary tract infection cases.
J Infect Chemother. 2015 Sep;21(9):623-33. doi:10.1016/j.jiac.2015.05.014. Epub 2015 Jun 9.
3. Atsumi T, Yamamoto K, Takeuchi T, Yamanaka H, Ishiguro N, Tanaka Y, Eguchi K, Watanabe A, Origasa H, Yasuda S, Yamanishi Y, Kita Y, Matsubara T, Iwamoto M, Shoji T, Okada T, van der Heijde D, Miyasaka N, Koike T.
The first double-blind, randomised, parallel-group certolizumab pegol study in methotrexate-naive early rheumatoid arthritis patients with poor prognostic factors, C-OPERA, shows inhibition of radiographic progression.
Ann Rheum Dis. 2015 Jul 2. pii: annrheumdis-2015-207511. doi:10.1136/annrheumdis-2015-207511. [Epub ahead of print]
4. Maniwa T, Kondo H, Mori K, Sato T, Teramukai S, Ebina M, Kishi K, Watanabe A, Sugiyama Y, Date H.
Outcomes in surgically managed non-small-cell lung cancer patients with evidence of interstitial pneumonia identified on preoperative radiology or incidentally on postoperative histology.
Interact Cardiovasc Thorac Surg. 2015 May;20(5):641-6. doi: 10.1093/icvts/ivv021. Epub 2015 Feb 21.

5. Sato T, Kondo H, Watanabe A, Nakajima J, Niwa H, Horio H, Okami J, Okumura N, Sugio K, Teramukai S, Kishi K, Ebina M, Sugiyama Y, Kondo T, Date H.
A simple risk scoring system for predicting acute exacerbation of interstitial pneumonia after pulmonary resection in lung cancer patients.
Gen Thorac Cardiovasc Surg. 2015 Mar;63(3):
6. Sato T, Watanabe A, Kondo H, Kanzaki M, Okubo K, Yokoi K, Matsumoto K, Marutsuka T, Shinohara H, Teramukai S, Kishi K, Ebina M, Sugiyama Y, Meinoshin O, Date H; Japanese Association for Chest Surgery. Long-term results and predictors of survival after surgical resection of patients with lung cancer and interstitial lung diseases. J Thorac Cardiovasc Surg. 2015 Jan;149(1):64-9,
7. Survival of 1737 lobectomy-tolerable patients who underwent limited resection for cStage IA non-small-cell lung cancer. Yano M, Yoshida J, Koike T, Kameyama K, Shimamoto A, Nishio W, Yoshimoto K, Utsumi T, Shiina T, Watanabe A, Yamato Y, Watanabe T, Takahashi Y, Sonobe M, Kuroda H, Oda M, Inoue M, Tanahashi M, Adachi H, Saito M, Hayashi M, Otsuka H, Mizobuchi T, Moriya Y, Takahashi M, Nishikawa S, Matsumura Y, Moriyama S, Nishiyama T, Fujii Y; Japanese Association for Chest Surgery. Eur J Cardiothorac Surg. 2015 Jan;47(1):135-42. doi: 10.1093/ejcts/ezu138.PMID:24699203
8. Total Thoracoscopic Anatomical Right S1a+S2a Bisubsegmentectomy: Mishina T, Watanabe A, Miyajima M, Nakazawa J. Jacobs Journal of Surgery, J J Surg. 2015, 2(3): 023.

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○Pub Med 掲載論文 (2014 年)

1. Miyajima M, Watanabe A, Kaga K, Kitada M, et al.
Difficult Prediction of Exacerbation of Interstitial Pneumonia after Lung Cancer Resection
J Cancer Biol Res2014,2(1):1040.
2. Sato T, Watanabe A, Kondo H, Kanzaki M, Okubo K, Yokoi K, Matsumoto K, Marutsuka T, Shinohara H, Teramukai S, Kishi K, Ebina M, Sugiyama Y, Meinoshin O, Date H; Japanese Association for Chest Surgery.
Long-term results and predictors of survival after surgical resection of patients with lung cancer and interstitial lung diseases.
J Thorac Cardiovasc Surg. 2015 Jan;149(1):64-70.e2. doi: 10.1016/j.jtcvs.2014.08.086. Epub 2014 Sep 18.
3. Sato T, Kondo H, Watanabe A, Nakajima J, et al.
A simple risk scoring system for predicting acute exacerbation of interstitial pneumonia after pulmonary resection in lung cancer patients.
Gen Thorac Cardiovasc Surg. 2014 Oct 30.[Epub ahead of print]
4. J Thorac Cardiovasc Surg. 2013 Nov 20. pii: S0022-5223(13)01147-1. doi: 10.1016/j.jtcvs.2013.09.050. [Epub ahead of print]

Nishikiori H, Chiba H, Ariki S, Kuronuma K, Otsuka M, Shiratori M, Ikeda K, Watanabe A, Kuroki Y, Takahashi H. Distinct compartmentalization of SP-A and SP-D in the vasculature and lungs of patients with idiopathic pulmonary fibrosis. BMC Pulm Med. 2014 Dec 8;14(1):196.
5. Sato T, Kondo H, Watanabe A, Nakajima J, Niwa H, Horio H, Okami J, Okumura N, Sugio K, Teramukai S, Kishi K, Ebina M, Sugiyama Y, Kondo T, Date H. A simple risk scoring system for predicting acute exacerbation of interstitial pneumonia after pulmonary resection in lung cancer patients. Gen Thorac Cardiovasc Surg. 2014 Oct 30. [Epub ahead of print]

○その他論文 (2014 年)

1. 宮島正博、三品泰二郎、渡辺 敦
肺に対する外科治療-転移性肺腫瘍-。
北海道外科雑誌 2014、59(1) : 9-13.

2. 宮島正博、三品泰二郎、渡辺 敦
外科的な救急疾患-救急領域における呼吸器外科-
北海道外科雑誌 2014、59(1) : 19-23.

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○Pub Med 掲載論文 (2013 年)

1. Watanabe A, Miyajima M, Mishina T, Nakazawa J, Harada R, Kawaharada N, Higami T. Surgical treatment for primary lung cancer combined with idiopathic pulmonary fibrosis. *Gen Thorac Cardiovasc Surg.* 2013 May;61(5):254-61.
2. Hayashi N, Chiba H, Kuronuma K, Go S, Hasegawa Y, Takahashi M, Gasa S, Watanabe A, Hasegawa T, Kuroki Y, Inokuchi J, Takahashi H. Detection of N-glycolyated gangliosides in non-small-cell lung cancer using GMR8 monoclonal antibody. *Cancer Sci.* 2013 Jan;104(1):43-7. doi: 10.1111/cas.12027. Epub 2012 Oct 30.
3. 93. Sato T, Teramukai S, Kondo H, Watanabe A, Ebina M, Kishi K, Fujii Y, Mitsudomi T, Yoshimura M, Maniwa T, Suzuki K, Kataoka K, Sugiyama Y, Kondo T, Date H; for the Japanese Association for Chest Surgery. Impact and predictors of acute exacerbation of interstitial lung diseases after pulmonary resection for lung cancer. *J Thorac Cardiovasc Surg.* 2014 May;147(5):1604-1611.e3. doi: 10.1016/j.jtcvs.2013.09.050. Epub 2013 Nov 20.

○その他論文 (2013 年)

1. 仲澤順二、渡辺 敦、中島智博、三品泰二郎、宮島正博、樋上哲哉
肺膿瘍を伴った Henoch-Schönlein Purpura.
胸部外科、2013、66、886-9.
2. 宮島正博、渡辺 敦
呼吸器ケア 2014 臨時増刊 ナースのためのパーフェクトガイド 呼吸器外科の術前術後ケア
3. 中澤順二、渡辺敦、中島智博、三品泰二郎、宮島正博、樋上哲哉.肺癌再発を疑った成人 Henoch-Schölein 紫斑病.胸部外科 66(10),2013 886-889.