

北海道大学大学院

医学研究院／医学院 社会医学分野

医学統計学教室

年報

(2018. 10～2020. 3)

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メンバー

2018 年度 (2018.10～2019.3)

大学院 医学研究院・医学院 医学統計学教室

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2019 年度 (2019.4～2020.3)

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研究

論文

1. Katayama K, Imai T, Abe Y, Nawa T, Maeda N, Nakanishi K, Wada H, Fukui K, Ito Y, Yokota I, Ohkawa K. Number of nodules but not size of hepatocellular carcinoma can predict refractoriness to transarterial chemoembolization and poor prognosis. *J Clin Med Res*. 2018; 10: 765-771.
2. Hishiki T, Matsumoto K, Ohira M, Kamijo T, Shichino H, Kuroda T, Yoneda A, Soejima T, Nakazawa A, Takimoto T, Yokota I, Teramukai S, Takahashi H, Fukushima T, Kaneko T, Hara J, Kaneko M, Ikeda H, Tajiri T, Nakagawara A; Japan Childhood Cancer Group Neuroblastoma Committee (JNBSG). Results of a phase II trial for high-risk neuroblastoma treatment protocol JN-H-07: a report from the Japan Childhood Cancer Group Neuroblastoma Committee (JNBSG). *Int J Clin Oncol*. 2018. 2018; 23: 965-973. [2017 5y-IF:2.228, 2018 5y-IF:2.301]
3. Kitazawa K, Wakimasu K, Kayukawa K, Yokota I, Inatomi T, Hieda O, Sotozono C, Kinoshita S. Moderately long-term safety and efficacy of repeat penetrating keratoplasty. *Cornea*. 2018; 37: 1255-1259. [2017 5y-IF:2.451, 2018 5y-IF:2.431]
4. Okamoto A, Yamasaki M, Yokota I, Mori M, Matsuda M, Yamaguchi Y, Yamakita S, Ueno H, Sawa T, Taguchi T, Hosokawa T, Amaya F. Classification of acute pain trajectory after breast cancer surgery identifies patients at risk for persistent pain: a prospective observational study. *J Pain Res*. 2018; 11: 2197-2206. [2018 5y-IF:2.558]
5. Kitazawa K, Itoi M, Yokota I, Wakimasu K, Cho Y, Nakamura Y, Hieda O, Kinoshita S, Sotozono C. Involvement of anterior and posterior corneal surface area imbalance in the pathological change of keratoconus. *Sci Rep*. 2018; 8:14993. [2017 5y-IF:4.609, 2018 5y-IF:4.525]
6. Kawamura T, Takeuchi Y, Asai S, Yokota I, Akamine E, Kato M, Akamatsu T, Tada K, Komeda Y, Iwatate M, Kawakami K, Nishikawa M, Watanabe D, Yamauchi A, Fukata N, Shimatani M, Ooi M, Fujita K, Sano Y, Kashida H, Hirose S, Iwagami H, Uedo N, Teramukai S, Tanaka K. A comparison of the resection rate for cold and hot snare polypectomy for 4-9 mm colorectal polyps: a multicentre randomised controlled trial (CRESCENT study). *Gut*. 2018. 67: 1950-1957. [2017 5y-IF:15.910, 2018 5y-IF:16.321]
7. Yamazaki S, Numata S, Inoue T, Itatani K, Morimoto K, Ohira S, Manabe K, Yokota I, Yaku H. Impact of right ventricular volume and function evaluated using cardiovascular magnetic resonance imaging on outcomes after surgical ventricular reconstruction. *Eur J Cardiothorac Surg*. 2018. 2018; 54: 867-874. [2017 5y-IF:3.432, 2018 5y-IF:3.935]
8. Toyama T, Yoshimura A, Hayashi T, Kobatashi N, Saito K, Tsuneizumi M, Sawaki M, Hattori M, Nakada T, Yokota I, Iwata H. A randomized phase II study evaluating pyridoxine for the prevention of hand-foot syndrome associated with capecitabine therapy for advanced or metastatic breast cancer. *Breast Cancer*. 2018; 25: 729-735. [2017 5y-IF:1.717, 2018 5y-

IF:1.836]

9. Kaibori M, Yoshii K, Yokota I. Reply to “Relative survival instead of overall survival should be used as outcome when analyzing the effect of age after treatment of hepatocellular carcinoma”. *Ann Surg*. 2018; 268: e76-e77. [2017 5y-IF:9.097, 2018 5y-IF:9.358]
10. Miyake H, Sakagami J, Yasuda H, Sogame Y, Kato R, Suwa K, Dainaka K, Takata T, Yokota I, Itoh Y. Association of fatty pancreas with pancreatic endocrine and exocrine function. *PLOS One*. 2018; 13: e0209448. [2017 5y-IF:3.352, 2018 5y-IF:3.337]
11. Hayakawa M, Ono K. A summary of the Japan septic disseminated intravascular coagulation study. *Acute Med Surg*. 2018;5:123-8.
12. Honda H, Ono K, Akizawa T, Nitta K, Hishida A. Association of adiposity with hemoglobin levels in patients with chronic kidney disease not on dialysis. *Clin Exp Nephrol*. 2018;22:638-46.
13. Kakutani N, Fukushima A, Yokota T, Katayama T, Nambu H, Shirakawa R, Maekawa S, Abe T, Takada S, Furihata T, Ono K, Okita K, Kinugawa S, Anzai T. Impact of High Respiratory Exchange Ratio During Submaximal Exercise on Adverse Clinical Outcome in Heart Failure. *Circulation Journal*. 2018;82:2753-60.[2017 5y-IF:2.895,2018 5y-IF:3.025]
14. Kudo D, Hayakawa M, Ono K, Yamakawa K. Impact of non-anticoagulant therapy on patients with sepsis-induced disseminated intravascular coagulation: A multicenter, case-control study. *Thrombosis Research*. 2018;163:22-9.
15. Nishioka K, Prayongrat A, Ono K, Onodera S, Hashimoto T, Katoh N, Inoue T, Kinoshita R, Yasuda K, Mori T, Onimaru R, Shirato H, Shimizu S. Prospective study to evaluate the safety of the world-first spot-scanning dedicated, small 360-degree gantry, synchrotron-based proton beam therapy system. *J Radiat Res*. 2018;59:i63-i71. [2017 5y-IF:2.031,2018 5y-IF:2.014]
16. Oita M, Miyoshi H, Ono K, Nakamura A, Cho KY, Nomoto H, Yamamoto K, Omori K, Manda N, Kurihara Y, Aoki S, Atsumi T. Satisfaction and efficacy of switching from daily dipeptidyl peptidase-4 inhibitors to weekly trelagliptin in patients with type 2 diabetes-Randomized controlled study. *Endocr J*. 2018;65:141-50.
17. Omori K, Nomoto H, Nakamura A, Takase T, Cho KY, Ono K, Manda N, Kurihara Y, Aoki S, Atsumi T, Miyoshi H. Reduction in glucose fluctuations in elderly patients with type 2 diabetes using repaglinide: A randomized controlled trial of repaglinide vs sulfonylurea. *Journal of Diabetes Investigation*. 2018. [2017 5y-IF:3.147,2018 5y-IF:3.902]
18. Tokairin K, Kazumata K, Uchino H, Ito M, Ono K, Tatzawa R, Shindo T, Kawabori M, Nakayama N, Houkin K. Postoperative Intracerebral Hemorrhage After Combined Revascularization Surgery in Moyamoya Disease: Profiles and Clinical Associations. *World Neurosurgery*. 2018. [2017 5y-IF:1.924,2018 5y-IF:1.723]
19. Umazume T, Yamada T, Yamada S, Ishikawa S, Furuta I, Iwano H, Murai D, Hayashi T, Okada K, Morikawa M, Yamada T, Ono K, Tsutsui H, Minakami H. Morphofunctional cardiac changes

in pregnant women: associations with biomarkers. *Open Heart*. 2018;5:e000850.

20. Yamada K, Shiraishi H, Oki E, Ishige M, Fukao T, Hamada Y, Sakai N, Ochi F, Watanabe A, Kawakami S, Kuzume K, Watanabe K, Sameshima K, Nakamagoe K, Tamaoka A, Asahina N, Yokoshiki S, Miyakoshi T, Ono K, Oba K, Isoe T, Hayashi H, Yamaguchi S, Sato N. Open-label clinical trial of bezafibrate treatment in patients with fatty acid oxidation disorders in Japan. *Molecular Genetics and Metabolism Reports*. 2018;15:55-63. [2018 5y-IF:1.845]

以下 2019

21. Kunikane H, Yokota I, Katakami N, Takeda K, Takayama K, Sawa T, Saito H, Harada M, Yokota S, Ando K, Saito Y, Ohashi Y, Eguchi K. Prospective analysis of the association between skeletal-related events and quality of life in patients with advanced lung cancer (CSP-HOR13). *Oncol Lett*. 2019; 17: 1320-1326. [2018 5y-IF:1.741]
22. Yasuda H, Kataoka K, Takeyama Y, Takeda K, Ito T, Mayumi T, Isaji S, Mine T, Kitagawa M, Kiriyama S, Sakagami J, Masamune A, Inui K, Hirano K, Akashi R, Yokoe M, Sogame Y, Okazaki K, Morioka C, Kihara Y, Kawa S, Tanaka M, Andoh A, Kimura W, Nishimori I, Furuse J, Yokota I, Shimosegawa T. Usefulness of urinary trypsinogen-2 and trypsinogen activation peptide in acute pancreatitis: A multicenter study in Japan. *World J Gastroenterol*. 2019; 25: 107-117. [2018 5y-IF:3.579]
23. Yokota I, Matsuyama Y. Dynamic prediction of repeated events data based on landmarking model: application to colorectal liver metastases data. *BMC Med Res Methodol*. 2019;30:31. [2018 5y-IF:4.950]
24. Goto M, Sakai K, Yokota H, Kiba M, Yoshida M, Imai H, Weiland E, Yokota I, Yamada K. Diagnostic performance of initial enhancement analysis using ultra-fastdynamic contrast-enhanced MRI for breast lesions. *Eur Radiol*. 2019;29:1164-1174. [2018 5y-IF:3.919]
25. Noguchi A, Inoue T, Yokota I. Promoting a nursing team's ability to notice intent to communicate in lightly sedated mechanically ventilated patients in an Intensive Care Unit: an action research study. *Intensive Crit Care Nurs*. 2019; 51: 64-72. [2018 5y-IF:1.985]
26. Kaibori M, Yoshii K, Yokota I, Hasegawa K, Nagashima F, Kubo S, Kon M, Izumi N, Kadoya M, Kudo M, Kumada T, Sakamoto M, Nakashima O, Matsuyama Y, Takayama T, Kokudo N; Liver Cancer Study Group of Japan. Impact of advanced age on survival in patients undergoing resection of hepatocellular carcinoma: report of a Japanese nationwide survey. *Ann Surg*. 2019; 269:692-699. [2018 5y-IF:9.358]
27. Shinomoto M, Kasai T, Tatebe H, Kondo M, Ohmichi T, Morimoto M, Chiyonobu T, Terada N, Allsop D, Yokota I, Mizuno T, Tokuda T. Plasma neurofilament light chain: A potential prognostic biomarker of dementia in adult Down syndrome patients. *PLoS One*. 2019;14:e0211575. [2018 5y-IF:3.337]

28. Yokota J, Fukutani N, Nin K, Yamanaka H, Yasuda M, Tashiro Y, Matsushita T, Suzuki Y, Yokota I, Teramukai S, Aoyama T. Association of low back pain with presenteeism in hospital nursing staff. *J Occup Health*. 2019;61:219-226. [2018 5y-IF:1.822]
29. Sowa Y, Yokota I, Fujikawa K, Morita D, Taguchi T, Numajiri T. Objective evaluation of fat tissue induration after breast reconstruction using a deep inferior epigastric perforator (DIEP) flap. *J Plast Surg Hand Surg*. 2019;53:125-129. [2018 5y-IF:1.113]
30. Mihara Y, Kado H, Yokota I, Shiotsu Y, Sonomura K, Kusaba T, Hatta T, Matoba S, Tamagaki K. Rapid weight loss with dietary salt restriction in hospitalized patients with chronic kidney disease. *Sci Rep*. 2019;9:8787. [2018 5y-IF:4.525]
31. Tsuboi H, Yokota I, Miyamori D, Akasaka Y, Yamada A, Ikegaya H. Age estimation based on visual parameters of the skin of cadavers. *Skin Res Technol*. 2019;25:532-537. [2018 5y-IF:1.690]
32. Morio K, Maeda I, Yokota I, Niki K, Murata T, Matsumura Y, Uejima E. Risk factors for polypharmacy in elderly patients with cancer pain. *Am J Hosp Palliat Care*. 2019; 36:598-602. [2018 5y-IF:1.679]
33. Sakaguchi K, Ono H, Nakatsukasa K, Ishikawa T, Hasegawa Y, Takahashi M, Niikura N, Koizumi K, Sakurai T, Shigematsu H, Takahashi S, Taira S, Suzuki M, Narui K, Miura D, Yamada K, Yoshimura M, Shioya H, Konishi E, Yokota I, Imai K, Fujikawa K, Taguchi T; Collaborative Study Group of Scientific Research of the Japanese Breast Cancer Society. Efficacy of denosumab for restoring normal bone mineral density in women receiving adjuvant aromatase inhibitors for early breast cancer. *Medicine (Baltimore)*. 2019;98:e16770 [2018 5y-IF:2.082]
34. Sagawa T, Kida T, Inaba T, Yokota I, Sagawa R, Kasahara A, Kaneshita S, Inoue T, Nagahara H, Fujioka K, Wada M, Kohno M, Kawahito Y. Utility of coagulation markers for the prediction of rapidly progressive interstitial lung disease in patients with dermatomyositis. *Lung*. 2019;197:437-442. [2018 5y-IF:2.149]
35. Nakao R, Konishi E, Fujiwara H, Otsuji E, Yokota I, Urata Y, Yanagisawa A. Residual cancer volume predicts clinical outcome in patients with esophageal squamous cell carcinoma after neoadjuvant chemotherapy. *Int J Surg Pathol*. 2019;27:713-721. [2018 5y-IF:0.998]
36. Zen Y, Chiyonobu T, Yuge M, Yokota I, Morimoto M, Teramukai S, Hosoi H. Gender differences in occurrence of behavioral and emotional problems at the lower grades of elementary school: association with developmental and behavioral characteristics at 5 years. *Brain Dev*. 2019;41:760-768. [2018 5y-IF:3.157]
37. Taniguchi Y, Kitamura A, Kaito S, Yokoyama Y, Yokota I, Shinozaki T, Seino S, Murayama H, Matsuyama Y, Ikeuchi T, Fujiwara Y, Shinkai S. Albumin and hemoglobin trajectories and incident disabling dementia in community-dwelling older Japanese. *Dement Geriatr Cogn Disord*. 2019; 47: 233-242. [2018 5y-IF:3.157]
38. Shimizu M, Amaya F, Kinoshita M, Yamasaki M, Yokota I, Sawa T. Reduction of the rocuronium-

- induced withdrawal re-ex by MR13A10A, a generic rocuronium with a novel solution: A randomized, controlled study. *PLoS One*. 2019;14:e0223947. [2018 5y-IF:3.337]
39. Iehara T, Yoneda A, Yokota I, Takahashi H, Teramukai S, Kamijyo T, Nakazawa A, Takimoto T, Kikuta A, Yagyu S, Ikeda H, Nakagawara A, Tajiri T, Japan Childhood Cancer Group Neuroblastoma Committee (JNBSG). Results of a prospective clinical trial JN-L-10 using image-guided risk factors to inform surgical decisions for children with low-risk neuroblastoma disease: A report from the Japan Children's Cancer Group Neuroblastoma Committee. *Pediatr Blood Cancer*. 2019; 66:e27914 [2018 5y-IF:2.677]
 40. Okamura T, Ushigome E, Kitagawa N, Oyabu C, Tanaka T, Hasegawa G, Nakamura N, Ohnishi M, Tsunoda S, Ushigome H, Yokota I, Hamaguchi M, Asano M, Yamazaki M, Fukui M. Maximum morning home systolic blood pressure is an indicator of the development of diabetic nephropathy: The KAMOGAWA-HBP study. *J Diabetes Investig*. 2019;10:1543-1549. [2018 5y-IF:3.641]
 41. Ushigome E, Oyabu C, Iwai K, Kitagawa N, Kitae A, Kimura T, Yokota I, Ushigome H, Hamaguchi M, Asano M, Yamazaki M, Fukui M. Effects of dietary salt restriction on home blood pressure in diabetic patients with excessive salt intake: a pilot study. *J Clin Biochem Nutr*. 2019;65:252-257. [2018 5y-IF:2.208]
 42. Iwai K, Ushigome E, Matsumoto S, Kitagawa N, Ushigome H, Yokota I, Asano M, Hamaguchi M, Yamazaki M, Fukui M. Home blood pressure is associated with cognitive impairment among elderly patients with type 2 diabetes: KAMOGAWA-HBP study. *Diab Vasc Dis Res*. 2019;16:506-512. [2018 5y-IF:2.936]
 43. Takai S, Nakanishi N, Yokota I, Imai K, Yamada A, Kawasaki T, Okada T, Sawada T, Fujita H, Matoba S. Clot regression effects of rivaroxaban in the treatment of venous thromboembolism in patients with cancer (CRERIT-VTE cancer): study protocol. *BMJ Open*. 2019;9:e031698. [2018 5y-IF:2.863]
 44. Yamauchi Y, Nakamura A, Takahashi K, Takase T, Yamamoto C, Yokota I, Atsumi T, Miyoshi H. Factors with remission of fatty liver in patients with type 2 diabetes treated with ipragliozin. *Endocr J*. 2019; 66:995-1000. [2018 5y-IF:1.907]
 45. Yamaguchi J, Chinen Y, Takimoto-Shimomura T, Nagata H, Muramatsu A, Kuriyama K, Ohshiro M, Hirakawa Y, Iwai T, Uchiyama H, Uoshima N, Kaneko H, Nakao M, Tsukamoto T, Shimura Y, Kobayashi T, Horiike S, Yokota I, Kuroda J; KOTOSG Investigators. Prediction of delayed platelet engraftment after autologous stem cell transplantation for B-cell non-Hodgkin lymphoma. *Leuk Lymphoma*. 2019; 60:3434-3441. [2018 5y-IF:2.418]
 46. Taniguchi Y, Kitamura A, Ishizaki T, Fujiwara Y, Shinozaki T, Seino S, Mitsutake S, Suzuki H, Yokoyama Y, Abe T, Ikeuchi T, Yokota I, Matsuyama Y, Shinkai S. Association of trajectories of cognitive function with cause-specific mortality and medical and long-term care costs. *Geriatr*

- Gerontol Int.* 2019; 19: 1236-1242. [2018 5y-IF:2.407]
47. Kitagawa N, Ushigome E, Tanaka T, Hasegawa G, Nakamura N, Ohnishi M, Tsunoda S, Ushigome H, Yokota I, Kitagawa N, Hamaguchi M, Asano M, Yamazaki M, Fukui M. Isolated high home systolic blood pressure in patients with type 2 diabetes is a prognostic factor for the development of diabetic nephropathy: KAMOGAWA-HBP study. *Diabetes Res Clin Pract.* 2019;158:107920 [2018 5y-IF:3.587]
 48. Ushigome E, Oyabu C, Shiraishi M, Kitagawa N, Kitae A, Iwai K, Ushigome H, Yokota I, Hamaguchi M, Yamazaki M, Fukui M. Evaluation of the efficacy of simplified nutritional instructions from physicians on dietary salt restriction for patients with type 2 diabetes mellitus consuming excessive salt: protocol for a randomized controlled trial. *Trials.* 2019;20:761. [2018 5y-IF:2.258]
 49. Kaneshita S, Kida T, Yokota I, Nagahara H, Seno T, Wada M, Kohno M, Kawahito Y. Risk factors for cytomegalovirus disease with cytomegalovirus re-activation in patients with rheumatic disease. *Mod Rheumatol.* 2020;30:109-115. [2018 5y-IF:1.884]
 50. Wakimasu K, Kitazawa K, Kayukawa K, Yokota I, Inatomi T, Hieda O, Sotozono C, Kinoshita S. Five-year follow-up outcomes after Descemet's stripping automated endothelial keratoplasty: a retrospective study. *BMJ Open Ophthalmol.* 2020; 5: e000354. [2018 5y-IF:-]
 51. Kida T, Tanaka T, Yokota I, Tamagaki K, Sagawa T, Kadoya M, Yamada T, Fujioka K, Wada M, Kohno M, Hiraoka N, Omoto A, Fukuda W, Kawahito Y. Association between preexisting lung involvements and the risk of diffuse alveolar hemorrhage in patients with microscopic polyangiitis: a multi-center retrospective cohort study. *Mod Rheumatol.* 2020;30:338-344. [2018 5y-IF:1.884]
 52. Fujikawa K, Teramukai S, Yokota I, Daimon T. A Bayesian basket trial design that borrows information across strata based on the similarity between the posterior distributions of the response probability. *Biom J.* 2020;62:330-338. [2018 5y-IF:1.318]
 53. Kato M, Kaneko Y, Tanaka Y, Inoo M, Kobayashi-Haraoka H, Amano K, Miyata M, Murakawa Y, Yasuoka H, Hirata S, Nagasawa H, Tanaka E, Miyasaka N, Yamanaka H, Yamamoto K, Yokota I, Atsumi T, Takeuchi T. Predictive value of serum amyloid A levels for requirement of concomitant methotrexate in tocilizumab initiation: A post-hoc analysis of the SURPRISE study. *Mod Rheumatol.* [Epub ahead of print] [2018 5y-IF:1.884]
 54. Iwasaki K, Inoue M, Kasahara Y, Tsukuda K, Kawahara H, Yokota I, Kondo E, Iwasaki N, Yasuda K. Inclination of Blumensaat's line in unences on the accuracy of the quadrant method in evaluation for anterior cruciate ligament reconstruction. *Knee Surg Sports Traumatol Arthrosc.* [Epub ahead of print] [2018 5y-IF:3.279]
 55. Ushigome E, Kitagawa N, Kitae A, Kimura T, Iwai K, Oyabu C, Ushigome H, Yokota I, Hamaguchi M, Asano M, Yamazaki M, Fukui M. Seasonal variation in home blood pressure and

its relationship with room temperature in patients with type 2 diabetes. *Diab Vasc Dis Res*. [Epub ahead of print] [2018 5y-IF:2.936]

56. Kanbayashi Y, Sakaguchi K, Ishikawa T, Ouchi Y, Nakatsukasa K, Tabuchi Y, Kanehisa F, Hiramatsu M, Takagi R, Yokota I, Katoh N, Taguchi T. Comparison of the efficacy of cryotherapy and compression therapy for preventing nanoparticle albumin-bound paclitaxel-induced peripheral neuropathy: a prospective self-controlled trial. *Breast* [Epub ahead of print] [2018 5y-IF:3.183]
57. Noguchi A, Hosokawa K, Amaya F, Yokota I. Factors related to memory absence and delusional memories in patients in intensive care units managed with light sedation. *Intensive Crit Care Nurs*. [Epub ahead of print] [2018 5y-IF:1.985]
58. Miyake M, Matsuyama H, Teramukai S, Kinoshita F, Yokota I, Matsumoto H, Shimada K, Kinjyo M, Shimokama T, Okumura K, Yomenori M, Enokida H, Nakagawa M, Nakai Y, Fujimoto K; Nishinihon Uro-oncology Extensive Collaboration group. A new risk stratification model for intravesical recurrence, disease progression, and cancer-specific death in patients with non-muscle invasive bladder cancer: the J-NICE risk tables. *Int J Clin Oncol*. [Epub ahead of print] [2018 5y-IF:2.301]

発表

国際学会

- Yokota I, Uemura Y. Using restricted mean survival time in a non-inferiority trial. The VIth International Society for Biopharmaceutical Statistics, Kyoto, Japan, Aug 28, 2019.

国内学会・セミナー

- 横田 勲. 生存時間型アウトカムに対する単群試験のデザイン. 第60回日本小児血液・がん学会学術集会, 2018/11/15.
- 横田 勲. ランドマークモデルによる動的予測. 2018年計量生物セミナー, 京都, 2018/12/7.

教育

HoBiS

2020/2/10	横田 勲	Using restricted mean survival time in a non-inferiority trial
2020/3/3	高木 諒	Comparing the performance of phase I/II oncology trial designs in low-toxicity rate situations

担当科目（学内）

（特にことわりがなければ 2019 年度）

学部

- 全学教育・一般教育演習（フレッシュマンセミナー）「医学統計とデータサイエンス」

4/11	概論(1)
4/18	概論(2)
4/25	データ要約実習
5/9	データの記述と統計的推測
5/16	（休講）
5/23	仮説検定・推定と疫学研究デザイン
5/30	疫学調査テーマ決め
6/6	図書館情報入門
6/13	先行文献検索
6/20	調査票作成(1)
6/27	調査票作成(2)
7/4	プロトコル作成(1)
7/11	プロトコル作成(2)
7/18	特別講演
7/25	データ解析(1)
8/1	データ解析(2)・報告書作成

- 医学科 3 年「臨床統計学」

2018 年度

1/23 (2)	臨床研究と生物統計学
1/23 (3)	データの記述と統計的推測
1/23 (4)	2 群の比較と演習
1/24 (2)	検定と分散分析
1/24 (3)	観察研究のデザイン
1/24 (4)	回帰分析

2019 年度

1/22 (2)	因果と予測
1/22 (3)	データの記述と統計的推測
1/22 (4)	2 群の比較と演習
1/23 (2)	検定と推定
1/23 (3)	回帰分析
1/23 (4)	反事実アウトカムと因果 DAG

大学院

● 統計解析の基礎

- [修士課程公衆衛生学コース] 基礎生物統計学
- [修士課程医科学コース] 大学院共通授業科目：社会と健康「基本社会医学総論Ⅱ～統計解析の基礎」もしくは公衆衛生学コースの基礎生物統計学
- [博士後期課程] 社会医学研究法Ⅱ「基礎生物統計学」
- [その他] 大学院共通授業科目：社会と健康「基本社会医学総論Ⅱ～統計解析の基礎」

4/11 (6,7)	臨床研究と生物統計学 / データの記述と統計的推測
4/18 (6,7)	推定と検定
4/25 (6,7)	分散分析
5/9 (6,7)	回帰分析

● 統計解析の応用

- [修士課程公衆衛生学コース] 応用生物統計学「臨床研究統計解析」
- [修士課程医科学コース] 大学院共通授業科目：社会と健康「基本社会医学総論Ⅱ～統計解析の応用」
- [その他] 大学院共通授業科目：社会と健康「基本社会医学総論Ⅱ～統計解析の応用」

5/23 (6,7)	臨床試験デザイン
5/30 (6,7)	疫学研究デザイン
6/6 (6,7)	観察研究に生じるバイアスと制御
6/13	生存時間解析

● 生物統計学特論 (5/28～7/23)

- [修士課程公衆衛生学コース] 応用生物統計学「生物統計学特論」
- [修士課程医科学コース] 臨床疫学 (疫学研究の統計的方法論とセット)

数理統計学の講義

- 疫学研究の統計的方法論 (10/8~12/17)
 - [修士課程公衆衛生学コース] 応用疫学「疫学研究の統計的方法論」
 - [修士課程医科学コース] 臨床疫学 (生物統計学特論とセット)

ロスマンの疫学 第2版の輪読

- 医学総論「医学統計学」(9/30~12/23)
 - [修士課程] 医学総論「医学統計学」
 - [博士課程] 基本医学総論「医学統計学」

Fundamental of Clinical Trials 4th edition の輪読

- 医理工統計学

10/7 (6,7)	疫学研究と交絡
10/21 (6,7)	因果 DAG
10/28 (6,7)	効果の修飾と層別解析
11/18 (6,7)	傾向スコア解析
11/25 (6,7)	群間比較と回帰モデル入門
12/2 (6,7)	分割表の解析とロジスティック回帰
12/9 (6,7)	生存時間解析 / 統計モデルの作り方
12/16 (6,7)	臨床試験デザイン

学外

- 2018/12/11 「臨床試験論文の読み方」(帝京大学)
- 2019/10/29 「予後予測モデルの構築」(東京理科大学)
- 2019/12/10 「臨床試験論文の読み方」(帝京大学)

勉強会 (Journal Scanning)

2019/7/22	Stat Med Vol.38 Issue.15 (Jul 10)
2019/7/29	Stat Med Vol.38 Issue.16 (Jul 20)
2019/8/5	Stat Med Vol.38 Issue.17 (Jul 30)
2019/8/19	Stat Med Vol.38 Issue.18 (Aug 15)
2019/9/2	Stat Med Vol.38 Issue.19 (Aug 30)
2019/10/7	Stat Med Vol.38 Issue.20 (Sep 10)
2019/10/21	Stat Med Vol.38 Issue.21 (Sep 20) pp.3961-4050
2019/10/28	Stat Med Vol.38 Issue.21 (Sep 20) pp.4051-4188
2019/11/18	Stat Med Vol.38 Issue.22 (Sep 30)

2019/11/25	Stat Med Vol.38 Issue.23 (Oct 15)
2019/12/2	Stat Med Vol.38 Issue.24 (Oct 30)
2019/12/9	Stat Med Vol.38 Issue.25 (Nov 10)
2019/12/16	Stat Med Vol.38 Issue.26 (Nov 20)
2019/12/23	Stat Med Vol.38 Issue.27 (Nov 30)
2020/1/6	Stat Med Vol.38 Issue.28 (Dec 10)
2020/1/27	Stat Med Vol.38 Issue.29 (Dec 20)
2020/2/3	Stat Med Vol.38 Issue.30 (Dec 30)
2020/2/10	Stat Med Vol.39 Issue.1 (Jan 15)
2020/2/17	Stat Med Vol.39 Issue.2 (Jan 30)
2020/3/2	Stat Med Vol.39 Issue.3 (Feb 10)
2020/3/9	Stat Med Vol.39 Issue.4 (Feb 20)
2020/3/16	Stat Med Vol.39 Issue.5 (Feb 29)
2020/3/30	Stat Med Vol.39 Issue.6 (Mar 15)

研究集会・セミナー

- 2019/2/17
研究集会「第1回 臨床研究・疫学研究の統計的問題点の共有と解決法の模索」
会場：北海道大学医学部医学統計学教室会議室
- 2020/1/14
教室特別セミナー「データベースを用いた臨床疫学研究の実際」
大野 幸子 先生（東京大学大学院医学系研究科 生物統計情報学講座 特任助教）
- 2020/2/23
研究集会「第2回 臨床研究・疫学研究の統計的問題点の共有と解決法の模索」
会場：花もみじ 会議室「はるにれ」

学会活動、委員

横田 勲

International Biometric Society Social Media Liaison (2018年～継続)

日本計量生物学会 企画委員 (2016年10月～継続)

日本小児がん研究グループ (JCCG) 生物統計委員 (2014年4月～継続)

JCOG プロトコール審査委員会 委員 (2019年4月～)