

放射線診断学

○主な研究内容

- 1 PET や MRI 情報に基づく悪性治療の治療効果予測
- 2 3DMRI 画像を用いた股関節唇損傷の診断
- 3 T2mapping による悪性軟部腫瘍局所浸潤の検討
- 4 多時相 ASL を用いた血流動態の解析
- 5 眼窩 MRI による病態解析
- 6 融合画像におけるアイソトープの集積部位の解剖学的検討
- 7 アイソトープ治療の適正化とエビデンスの確立

○Pub Med 掲載論文 (2018 年)

1. Repeatability analysis of ADC histogram metrics of the uterus.

Onodera K, Hatakenaka M, Yama N, Onodera M, Saito T, Kwee TC, Takahara T.
Acta Radiol. 2018 Jan 1;284185118786062. doi: 10.1177/0284185118786062. [Epub ahead of print]
PMID: 29969050

2. Clinical utility of 18 F-fluorodeoxyglucose/positron emission tomography in diagnosis of immunoglobulin G4-related sclerosing sialadenitis.

Takano K, Yajima R, Kamekura R, Yamamoto M, Takahashi H, Yama N, Hatakenaka M, Himi T.
Laryngoscope. 2018 May;128(5):1120-1125. doi: 10.1002/lary.26945. Epub 2017 Oct 8.
PMID: 28988418

3. The Japanese Clinical Practice Guidelines for Management of Sepsis and Septic Shock 2016 (J-SSCG 2016).

Nishida O, Ogura H, Egi M, Fujishima S, Hayashi Y, Iba T, Imaizumi H, Inoue S, Kakihana Y, Kotani J, Kushimoto S, Masuda Y, Matsuda N, Matsushima A, Nakada TA, Nakagawa S, Nunomiya S, Sadahiro T, Shime N, Yatabe T, Hara Y, Hayashida K, Kondo Y, Sumi Y, Yasuda H, Aoyama K, Azuhata T, Doi K, Doi M, Fujimura N, Fuke R, Fukuda T, Goto K, Hasegawa R, Hashimoto S, Hatakeyama J, Hayakawa M, Hifumi T, Higashibeppu N, Hirai K, Hirose T, Ide K, Kaizuka Y, Kan'o T, Kawasaki T, Kuroda H, Matsuda A, Matsumoto S, Nagae M, Onodera M, Ohnuma T, Oshima K, Saito N, Sakamoto S, Sakuraya M, Sasano M, Sato N, Sawamura A, Shimizu K, Shirai K, Takei T, Takeuchi M, Takimoto K, Taniguchi T, Tatsumi H, Tsuruta R, Yama N, Yamakawa K, Yamashita C, Yamashita K, Yoshida T, Tanaka H, Oda S.
Acute Med Surg. 2018 Feb 5;5(1):3-89. doi: 10.1002/ams2.322. eCollection 2018 Jan.
PMID: 29445505 Free PMC Article

4. The Japanese Clinical Practice Guidelines for Management of Sepsis and Septic Shock 2016 (J-SSCG 2016).

Nishida O, Ogura H, Egi M, Fujishima S, Hayashi Y, Iba T, Imaizumi H, Inoue S, Kakihana Y, Kotani J, Kushimoto S, Masuda Y, Matsuda N, Matsushima A, Nakada TA, Nakagawa S, Nunomiya S, Sadahiro T, Shime N, Yatabe T, Hara Y, Hayashida K, Kondo Y, Sumi Y, Yasuda

H, Aoyama K, Azuhata T, Doi K, Doi M, Fujimura N, Fuke R, Fukuda T, Goto K, Hasegawa R, Hashimoto S, Hatakeyama J, Hayakawa M, Hifumi T, Higashibeppu N, Hirai K, Hirose T, Ide K, Kaizuka Y, Kan'o T, Kawasaki T, Kuroda H, Matsuda A, Matsumoto S, Nagae M, Onodera M, Ohnuma T, Oshima K, Saito N, Sakamoto S, Sakuraya M, Sasano M, Sato N, Sawamura A, Shimizu K, Shirai K, Takei T, Takeuchi M, Takimoto K, Taniguchi T, Tatsumi H, Tsuruta R, Yama N, Yamakawa K, Yamashita C, Yamashita K, Yoshida T, Tanaka H, Oda S.
J Intensive Care. 2018 Feb 2;6:7. doi: 10.1186/s40560-017-0270-8. eCollection 2018.
PMID: 29435330 Free PMC Article

5. Traumatic Basilar Artery Entrapment without Longitudinal Clivus Fracture: A Case Report and Review of the Literature.

Yamaoka A, Miyata K, Bunya N, Mizuno H, Irifune H, Yama N, Akiyama Y, Mikami T, Wanibuchi M, Mikuni N.
Neurol Med Chir (Tokyo). 2018 Aug 15;58(8):362-367. doi: 10.2176/nmc.cr.2018-0041. Epub 2018 Jun 20. Review.
PMID: 29925721 Free PMC Article

6. Imprint cytology of biphenotypic sinonasal sarcoma of the paranasal sinus: A case report.

Sugita S, Kubo T, Aoyama T, Moriya J, Okuni T, Wanibuchi M, Yamashita K, Onodera M, Tsujiwaki M, Segawa K, Sugawara T, Hasegawa T.
Diagn Cytopathol. 2018 Dec 27. doi: 10.1002/dc.24142. [Epub ahead of print]
PMID: 30592181

7. Differentiating spinal intradural-extramedullary schwannoma from meningioma using MRI T2 weighted images.

Takashima H, Takebayashi T, Yoshimoto M, Onodera M, Terashima Y, Iesato N, Tanimoto K, Ogon I, Morita T, Yamashita T.
Br J Radiol. 2018 Dec;91(1092):20180262. doi: 10.1259/bjr.20180262. Epub 2018 Aug 7.
PMID: 30052467

○その他の論文

今月の症例 骨肉腫 肺動脈腫瘍塞栓

田口遼、山直也、小野寺麻希、小野寺耕一、小山奈緒美、畠中正光、江森誠人、三品泰二郎、長谷川匡

臨床放射線 Japanese journal of clinical radiology 1263-1266, vol.63, No11 2018

放射線診断学

○主な研究内容

- 1 PET や MRI 情報に基づく悪性治療の治療効果予測
- 2 3DMRI 画像を用いた股関節唇損傷の診断
- 3 T2mapping による悪性軟部腫瘍局所浸潤の検討
- 4 多時相 ASL を用いた血流動態の解析
- 5 眼窩 MRI による病態解析
- 6 融合画像におけるアイソトープの集積部位の解剖学的検討
- 7 アイソトープ治療の適正化とエビデンスの確立

○Pub Med 掲載論文 (2017 年)

1. Three cases of implantation of a SureScan® system and MRI for investigating causes of pain.

Takahashi K, Sawada A, Iwasaki S, Yama N, Takashima H, Onodera M, Hatakenaka M, Yamakage M.
J Anesth. 2017 Oct 16. doi: 10.1007/s00540-017-2413-4. [Epub ahead of print]
PMID: 29038851

2. Clinical utility of 18 F-fluorodeoxyglucose/positron emission tomography in diagnosis of immunoglobulin G4-related sclerosing sialadenitis.

Takano K, Yajima R, Kamekura R, Yamamoto M, Takahashi H, Yama N, Hatakenaka M, Himi T.
Laryngoscope. 2017 Oct 8. doi: 10.1002/lary.26945. [Epub ahead of print]
PMID: 28988418

3. Improvement in automated quantitation of myocardial perfusion abnormality by using iterative reconstruction image in combination with resolution recovery, attenuation and scatter corrections for the detection of coronary artery disease.

Chono T, Onoguchi M, Shibutani T, Hashimoto A, Nakata T, Yama N, Tsuchihashi K, Hatakenaka M.
Ann Nucl Med. 2017 Feb;31(2):181-189. doi: 10.1007/s12149-016-1146-z. Epub 2016 Dec 24.
PMID: 28012120

4. Influence of the Different Primary Cancers and Different Types of Bone Metastasis on the Lesion-based Artificial Neural Network Value Calculated by a Computer-aided Diagnostic System, BONENAVI, on Bone Scintigraphy Images.

Isoda T, BaBa S, Maruoka Y, Kitamura Y, Tahara K, Sasaki M, Hatakenaka M, Honda H.
Asia Ocean J Nucl Med Biol. 2017 Winter;5(1):49-55. doi: 10.22038/aojnmb.2016.7606.
PMID: 28840139

○その他論文 (2017 年)

1. ちょっと気になる胆・膵画像－ティーチングファイルから－ (第 38 回)
膵神経内分泌腫瘍の診断－ソマトスタチン受容体シンチグラフィー、他モダリティを用いた画像診断－
小山奈緒美、山直也、小野寺麻希、小野寺耕一、大塚愛子、大沼ゆりな、畠中正光、
木村康利、竹政伊知朗、長谷川匡
胆と膵 Vol. 39(2)
2. 今月の症例 IgG4 関連硬化性胆管炎
小山奈緒美、山直也、小野寺麻希、小野寺耕一、畠中正光、山本元久、志谷真啓、
杉田真太郎
臨床放射線 Japanese journal of clinical radiology Vol. 62 No. 8 2017

放射線診断学

○主な研究内容

- 1 PET や MRI 情報に基づく悪性治療の治療効果予測
- 2 3DMRI 画像を用いた股関節唇損傷の診断
- 3 T2mapping による悪性軟部腫瘍局所浸潤の検討
- 4 多時相 ASL を用いた血流動態の解析
- 5 眼窩 MRI による病態解析
- 6 融合画像におけるアイソトープの集積部位の解剖学的検討
- 7 アイソトープ治療の適正化とエビデンスの確立

○Pub Med 掲載論文 (2016 年)

1. The signal intensity ratio of the optic nerve to ipsilateral frontal white matter is of value in the diagnosis of acute optic neuritis.

Onodera M, Yama N, Hashimoto M, Shonai T, Aratani K, Takashima H, Kamo K, Nagahama H, Ohguro H, Hatakenaka M.

Eur Radiol. 2016 Aug;26(8):2640-5. doi: 10.1007/s00330-015-4114-4.

PMID: 26607576

2. Trials of vaccines for pancreatic ductal adenocarcinoma: Is there any hope of an improved prognosis?

Mizuguchi T, Torigoe T, Satomi F, Shima H, Kutomi G, Ota S, Ishii M, Hayashi H, Asakura S, Hirohashi Y, Meguro M, Kimura Y, Nishidate T, Okita K, Ishino M, Miyamoto A, Hatakenaka M, Sato N, Hirata K.

Surg Today. 2016 Feb;46(2):139-48. doi: 10.1007/s00595-015-1120-8. Review.

PMID: 25649538

3. Balloon catheter versus basket catheter for endoscopic bile duct stone extraction: a multicenter randomized trial.

Ishiwatari H, Kawakami H, Hisai H, Yane K, Onodera M, Eto K, Haba S, Okuda T, Ihara H, Kukitsu T, Matsumoto R, Kitaoka K, Sonoda T, Hayashi T; Hokkaido Interventional EUS/ERCP Study (HONEST) Group..

Endoscopy. 2016 Apr;48(4):350-7. doi: 10.1055/s-0035-1569573.

PMID: 26760604

放射線診断学

○主な研究内容

- 1 PET や MRI 情報に基づく悪性治療の治療効果予測
- 2 3DMRI 画像を用いた股関節唇損傷の診断
- 3 T2mapping による悪性軟部腫瘍局所浸潤の検討
- 4 多時相 ASL を用いた血流動態の解析
- 5 眼窩 MRI による病態解析
- 6 融合画像におけるアイソトープの集積部位の解剖学的検討
- 7 アイソトープ治療の適正化とエビデンスの確立

○Pub Med 掲載論文 (2015 年)

1. Onodera M, Yama N, Shonai T, Aratani K, Takashima H, Kamo K, Nagahama H, Ohguro H, Hatakenaka M.
The signal intensity ratio of the optic nerve to ipsilateral frontal white matter is of value in the diagnosis of acute optic neuritis.
Eur Radiol. 2015 Nov 25.
2. Mizuguchi T, Torigoe T, Satomi F, Shima H, Kutomi G, Ota S, Ishii M, Hayashi H, Asakura S, Hirohashi Y, Meguro M, Kimura Y, Nishidate T, Okita K, Ishino M, Miyamoto A, Hatakenaka M, Sato N, Hirata K.
Trials of vaccines for pancreatic ductal adenocarcinoma: Is there any hope of an improved prognosis?
Surg Today. 2015 Feb 5. [Epub ahead of print]

放射線診断学

○主な研究内容

- 1 PET や MRI 情報に基づく悪性治療の治療効果予測
- 2 3DMRI 画像を用いた股関節唇損傷の診断
- 3 T2mapping による悪性軟部腫瘍局所浸潤の検討
- 4 多時相 ASL を用いた血流動態の解析
- 5 眼窩 MRI による病態解析
- 6 融合画像におけるアイソトープの集積部位の解剖学的検討
- 7 アイソトープ治療の適正化とエビデンスの確立

○Pub Med 掲載論文 (2014 年)

1. Shima H, Kutomi G, Satomi F, Maeda H, Takamaru T, Kameshima H, Omura T, Mori M, Hatakenaka M, Hasegawa T, Hirata K.
Risk of node metastasis of sentinel lymph nodes detected in level II/III of the axilla by single-photon emission computed tomography/computed tomography.
Exp Ther Med. 2014 Nov;8(5):1447-1452. Epub 2014 Sep 15.
2. Yoshida S, Hatakenaka M.
Many methods of mediastinal division.
Radiology. 2014 Jul;272(1):302-3. doi: 10.1148/radiol.14140596. No abstract available.
3. Yonezawa M, Nagata M, Kitagawa K, Kato S, Yoon Y, Nakajima H, Nakamori S, Sakuma H, Hatakenaka M, Honda H.
Quantitative analysis of 1.5-T whole-heart coronary MR angiograms obtained with 32-channel cardiac coils: a comparison with conventional quantitative coronary angiography.
Radiology. 2014 May;271(2):356-64. doi: 10.1148/radiol.13122491. Epub 2013 Dec 12.
4. Hatakenaka M, Nakamura K, Yabuuchi H, Shioyama Y, Matsuo Y, Kamitani T, Yonezawa M, Yoshiura T, Nakashima T, Mori M, Honda H.
Apparent diffusion coefficient is a prognostic factor of head and neck squamous cell carcinoma treated with radiotherapy.
Jpn J Radiol. 2014 Feb;32(2):80-9. doi: 10.1007/s11604-013-0272-y. Epub 2014 Jan 10.

放射線診断学

○主な研究内容

- 1 PET や MRI 情報に基づく悪性治療の治療効果予測
- 2 3DMRI 画像を用いた股関節唇損傷の診断
- 3 T2mapping による悪性軟部腫瘍局所浸潤の検討
- 4 多時相 ASL を用いた血流動態の解析
- 5 眼窩 MRI による病態解析
- 6 融合画像におけるアイソトープの集積部位の解剖学的検討
- 7 アイソトープ治療の適正化とエビデンスの確立

○Pub Med 掲載論文 (2013 年)

1. Shirase R, Sakurai Y, Nagahama H, Harada K, Takashima H, Nakanishi M, Harada K, Shishido H, Imamura R, Sakata M, Hatakenaka M.
Optimized magnetic resonance sequences and parameters with operative assisted images for radical prostatectomy at 3 tesla-magnetic resonance image.
Nihon Hoshasen Gijutsu Gakkai Zasshi. 2013 May;69(5):529-34. Japanese.
2. Kondo M, Hatakenaka M, Higuchi K, Fujioka T, Shirasaka T, Nakamura Y, Nakamura K, Yoshiura T, Honda H.
Feasibility of low-radiation-dose CT for abdominal examinations with hybrid iterative reconstruction algorithm: low-contrast phantom study.
Radiol Phys Technol. 2013 Jul;6(2):287-92. doi: 10.1007/s12194-012-0197-7. Epub 2013 Jan 9.
3. Takayama Y, Hatakenaka M, Tsushima H, Okazaki K, Yoshiura T, Yonezawa M, Nishikawa K, Iwamoto Y, Honda H.
T1ρ is superior to T2 mapping for the evaluation of articular cartilage denaturalization with osteoarthritis: radiological-pathological correlation after total knee arthroplasty.
Eur J Radiol. 2013 Apr;82(4):e192-8. doi: 10.1016/j.ejrad.2012.11.031. Epub 2012 Dec 23.
4. Kamitani T, Hatakenaka M, Yabuuchi H, Matsuo Y, Fujita N, Jinnouchi M, Nagao M, Shirahane K, Tokunaga E, Honda H.
Detection of axillary node metastasis using diffusion-weighted MRI in breast cancer.
Clin Imaging. 2013 Jan-Feb;37(1):56-61. doi: 10.1016/j.clinimag.2012.02.014. Epub 2012 Jun 8.
5. Ochi M, Kuroiwa T, Sunami S, Murakami J, Miyahara S, Nagaie T, Oya M, Yabuuchi H, Hatakenaka M.
Diffusion-weighted imaging (b value = 1500 s/mm²) is useful to decrease false-positive breast cancer cases due to fibrocystic changes.
Breast Cancer. 2013 Apr;20(2):137-44. doi: 10.1007/s12282-011-0319-9. Epub 2011 Dec 10.