

# 腫瘍内科学講座

## ○主な研究内容

- 1 食道癌に対する新規化学療法の開発
- 2 胃癌に対する新規化学療法の開発
- 3 大腸癌に対する新規化学療法の開発
- 4 膵癌に対する新規化学療法の開発
- 5 膵癌に対する新規動注化学療法の開発
- 6 慢性肝炎における肝癌発症因子の探索
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- 16 赤白血病に対する新規治療法の開発
- 17 多発性骨髓腫に対する新規治療法の開発
- 18 骨軟部腫瘍に対する新規治療法の開発

## ○Pub Med 掲載論文 (2018 年)

1. Six-transmembrane epithelial antigen of the prostate 1 protects against increased oxidative stress via a nuclear erythroid 2-related factor pathway in colorectal cancer.

Nakamura H, Takada K, Arihara Y, Hayasaka N, Murase K, Iyama S, Kobune M, Miyanishi K, Kato J.

Cancer Gene Ther. 2018 Nov 7. doi: 10.1038/s41417-018-0056-8. [Epub ahead of print]  
PMID: 30401882

2. An intronic single nucleotide polymorphism in the MUTYH gene is associated with increased risk for HCV-induced hepatocellular carcinoma.

Sakurada A, Miyanishi K, Tanaka S, Sato M, Sakamoto H, Kawano Y, Takada K, Nakabeppu Y, Kobune M, Kato J.

Free Radic Biol Med. 2018 Dec;129:88-96. doi: 10.1016/j.freeradbiomed.2018.09.010. Epub 2018 Sep 13.  
PMID: 30218772

3. Increased Duodenal Iron Absorption through Upregulation of Ferroportin 1 due to the Decrement in Serum Hepcidin in Patients with Chronic Hepatitis C.

Sato M, Miyanishi K, Tanaka S, Sakurada A, Sakamoto H, Kawano Y, Takada K, Kobune M, Kato J.

Can J Gastroenterol Hepatol. 2018 Aug 14;2018:2154361. doi: 10.1155/2018/2154361.

eCollection 2018.

PMID: 30186818 Free PMC Article

4. Neoadjuvant chemotherapy with docetaxel, nedaplatin, and fluorouracil for resectable esophageal cancer: A phase II study.

Ohnuma H, Sato Y, Hayasaka N, Matsuno T, Fujita C, Sato M, Osuga T, Hirakawa M, Miyanishi K, Sagawa T, Fujikawa K, Ohi M, Okagawa Y, Tsuji Y, Hirayama M, Ito T, Nobuoka T, Takemasa I, Kobune M, Kato J.

Cancer Sci. 2018 Nov;109(11):3554–3563. doi: 10.1111/cas.13772. Epub 2018 Sep 25.

PMID: 30137686 Free PMC Article

5. The role of iron in hepatic inflammation and hepatocellular carcinoma.

Miyanishi K, Tanaka S, Sakamoto H, Kato J.

Free Radic Biol Med. 2018 Jul 12. pii: S0891-5849(18)31209-7. doi: 10.1016/j.freeradbiomed.2018.07.006. [Epub ahead of print]

PMID: 30017991

6. High expression of nucleoporin 133 mRNA in bone marrow CD138+ cells is a poor prognostic factor in multiple myeloma.

Ibata S, Kobune M, Kikuchi S, Yoshida M, Miura S, Horiguchi H, Murase K, Iyama S, Takada K, Miyanishi K, Kato J.

Oncotarget. 2018 May 18;9(38):25127–25135. doi: 10.18632/oncotarget.25350. eCollection 2018 May 18.

PMID: 29861858 Free PMC Article

7. Docetaxel, cisplatin and S-1 (DCS) combination chemotherapy for gastric cancer patients with peritoneal metastasis: a retrospective study.

Ohnuma H, Sato Y, Hirakawa M, Kikuchi S, Miyanishi K, Sagawa T, Takahashi Y, Nobuoka T, Okamoto K, Miyamoto H, Takemasa I, Takayama T, Kato J.

Cancer Chemother Pharmacol. 2018 Mar;81(3):539–548. doi: 10.1007/s00280-018-3523-x. Epub 2018 Jan 30.

PMID: 29383482

8. [Significance of upper and lower gastrointestinal endoscopy for screening small intestinal lesions in non-Hodgkin's lymphoma].

Miura S, Kuroda H, Sato K, Yamada M, Itou R, Ono M, Abe T, Fujii S, Maeda M, Yoshida M, Jomen W, Kobune M, Kato J, Fujita M.

Rinsho Ketsueki. 2018;59(1):27–32. doi: 10.11406/rinketsu.59.27. Japanese.

PMID: 29415933

9. A dose-escalation study of docetaxel, oxaliplatin, and S-1 (DOS) as a first-line therapy for patients with unresectable metastatic gastric cancer.

Sato Y, Sagawa T, Ohnuma H, Hirakawa M, Takahashi Y, Hamaguchi K, Fujikawa K, Nobuoka T, Okamoto K, Miyamoto H, Muguruma N, Takemasa I, Takayama T.

Cancer Chemother Pharmacol. 2018 Nov 7. doi: 10.1007/s00280-018-3719-0. [Epub ahead of print]

PMID: 30406285

10. Secondary malignant giant cell tumor of bone with histone H3.3 mutation: A case series.

Emori M, Nagoya S, Sugawara M, Mizushima E, Shimizu J, Murahashi Y, Murase K, Takada K, Sugita S, Takagi M, Hasegawa T, Yamashita T.

J Orthop Sci. 2018 Dec 3. pii: S0949-2658(18)30325-7. doi: 10.1016/j.jos.2018.11.002.

[Epub ahead of print] No abstract available.

PMID: 30522923

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## ○Pub Med 掲載論文 (2017 年)

1. A triplet combination with capecitabine/oxaliplatin/irinotecan (XELOXIRI) plus cetuximab as first-line therapy for patients with metastatic colorectal cancer: a dose escalation study.

Sato Y, Hirakawa M, Ohnuma H, Takahashi M, Okamoto T, Okamoto K, Miyamoto H, Muguruma N, Furuhashi T, Takemasa I, Kato J, Takayama T.  
Cancer Chemother Pharmacol. 2017 Oct 16. doi: 10.1007/s00280-017-3458-7. [Epub ahead of print]  
PMID: 29038850

2. Small molecule CP-31398 induces reactive oxygen species-dependent apoptosis in human multiple myeloma.

Okagawa Y, Takada K, Arihara Y, Kato J.  
Nihon Shokakibyō Gakkai Zasshi. 2017;114(10):1830-1835.  
doi: 10.11405/nisshoshi.114.1830.  
PMID: 28978882

3. A phase II study of modified docetaxel, cisplatin, and S-1 (mDCS) chemotherapy for unresectable advanced gastric cancer.

Uemura N, Kikuchi S, Sato Y, Ohnuma H, Okamoto K, Miyamoto H, Hirakawa M, Sagawa T, Fujikawa K, Takahashi Y, Okuda T, Minami S, Takahashi M, Okamoto T, Takada K,

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Cancer Chemother Pharmacol. 2017 Oct;80(4):707–713. doi: 10.1007/s00280-017-3404-8. Epub 2017 Aug 28.  
PMID: 28849257

4. [A Case of Chronic Myelogenous Leukemia That Developed Fibrous Pericarditis Owing to Nilotinib Use].

Miura S, Murase K, Sakurada A, Takada K, Iyama S, Sato T, Sato Y, Miyanishi K, Kobune M, Muranaka A, Tachibana K, Kato J.  
Gan To Kagaku Ryoho. 2017 Jun;44(6):529–531. Japanese.  
PMID: 28698448

5. A case of intussusceptions at two parts of the ileum caused by an ileus tube.

Okagawa Y, Takada K, Sakamoto H, Miura T, Abeshima S, Kato J.  
Nihon Shokakibyō Gakkai Zasshi. 2017;114(6):1001–1007. doi: 10.11405/nisshoshi.114.1001. Japanese.  
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6. Cases of primary malignant melanoma and melanocytosis of the esophagus observed by magnifying endoscopy: Application to differential diagnosis: case series.

Ohnuma H, Ishikawa K, Hirakawa M, Kikuchi S, Sato Y, Miyanishi K, Kato J.  
Medicine (Baltimore). 2017 Apr;96(17):e6701. doi: 10.1097/MD.0000000000006701.  
PMID: 28445275

7. Hepatitis C virus reactivation due to antiemetic steroid therapy during treatment of hepatocellular carcinoma.

Kawano Y, Miyanishi K, Takahashi S, Kubo T, Ishikawa K, Sugita S, Takada K, Kobune M, Hasegawa T, Kato J.  
J Infect Chemother. 2017 May;23(5):323–325. doi: 10.1016/j.jiac.2016.12.008. Epub 2017 Jan 18.  
PMID: 28109738

8. Erratum to: Conversion therapy for inoperable advanced gastric cancer patients by docetaxel, cisplatin, and S-1 (DCS) chemotherapy: a multi-institutional retrospective study.

Sato Y, Ohnuma H, Nobuoka T, Hirakawa M, Sagawa T, Fujikawa K, Takahashi Y, Shinya M, Katsuki S, Takahashi M, Maeda M, Okagawa Y, Naoki U, Kikuchi S, Okamoto K, Miyamoto H, Shimada M, Takemasa I, Kato J, Takayama T.  
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PMID: 27629880

9. Conversion therapy for inoperable advanced gastric cancer patients by docetaxel, cisplatin, and S-1 (DCS) chemotherapy: a multi-institutional retrospective study.

Sato Y, Ohnuma H, Nobuoka T, Hirakawa M, Sagawa T, Fujikawa K, Takahashi Y, Shinya M, Katsuki S, Takahashi M, Maeda M, Okagawa Y, Naoki U, Kikuch S, Okamoto K, Miyamoto H, Shimada M, Ichiro T, Kato J, Takayama T.  
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PMID: 27553665

10. A case of gastric perforation caused by chestnut bezoars.

Okagawa Y, Takada K, Arihara Y, Kato J.  
Nihon Shokakibyō Gakkai Zasshi.  
2017;114(10):1830–1835. doi: 10.11405/nisshoshi.114.1830. Japanese.  
PMID:28978882

11. Non-alcoholic steatohepatitis induced by induction chemotherapy for pediatric acute lymphoblastic leukemia.

Yamamoto M, Hori T, Igarashi K, Iesato K, Saito M, Miyanishi K, Kikuchi N, Fujita H, Tsutsumi H.  
Int J Hematol. 2017 Nov 27. doi: 10.1007/s12185-017-2377-z. [Epub ahead of print] No abstract available.  
PMID:29181701

12. A typical presentation of primary pulmonary epithelioid sarcoma misdiagnosed as non-small cell lung cancer.

Emori M, Tamakawa M, Kaya M, Takada K, Murase K, Fujita C, Sato S, Takahashi R, Hatanaka KC, Sugita S, Hirano H, Yamashita T, Hasegawa T.  
Pathol Int. 2017 Apr;67(4):222–224. doi: 10.1111/pin.12503. Epub 2017 Jan 12. No abstract available.  
PMID:28078765

13. Influence of XRCC4 expression in esophageal cancer cells on the response to radiotherapy.

Hori M, Someya M, Matsumoto Y, Nakata K, Kitagawa M, Hasegawa T, Tsuchiya T, Fukushima Y, Gocho T, Sato Y, Ohnuma H, Kato J, Sugita S, Hasegawa T, Sakata KI.  
Med Mol Morphol. 2017 Mar;50(1):25–33. doi: 10.1007/s00795-016-0144-5. Epub 2016 Jun 23.  
PMID:27338590

14. Effective BiRd Therapy after the Addition of Clarithromycin for Lenalidomide and Dexamethasone Resistant Multiple Myeloma Ineligible for Stem Cell Transplantation.

Miura S, Kuroda H, Yamada M, Sato K, Ameda S, Sakano H, Shibata T, Uemura N, Abe T, Fujii S, Maeda M, Kobune M, Kato J.  
Gan To Kagaku Ryoho. 2017 Aug;44(8):689–693. Review. Japanese.  
PMID: 28860442

15. Thrombotic microangiopathy due to malignant hypertension complicated with late-onset bleeding after renal biopsy.

Ameda S, Kuroda H, Yamada M, Sato K, Miura S, Sakano H, Shibata T, Uemura N, Abe T, Fujii S, Maeda M, Fujita M, Kobune M, Kato J.  
Rinsho Ketsueki. 2017;58(6):637-642. doi: 10.11406/rinketsu.58.637. Japanese.  
PMID: 28679995

16. Spontaneous regression of methotrexate-related diffuse large B-cell lymphoma following bladder lesion resection.

Yamada M, Kuroda H, Sato K, Miura S, Ameda S, Sakano H, Shibata T, Uemura N, Abe T, Fujii S, Maeda M, Fujita M, Kato J.  
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PMID: 28484154

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## ○Pub Med 掲載論文 (2016 年)

1. No Benefit of Oral Diclofenac on Post-Endoscopic Retrograde Cholangiopancreatography Pancreatitis.

Ishiwatari H, Urata T, Yasuda I, Matsusaki S, Hisai H, Kawakami H, Ono M, Iwashita T, Doi S, Kawakubo K, Hayashi T, Sonoda T, Sakamoto N, Kato J.

Dig Dis Sci. 2016 Nov;61(11):3292-3301.

PMID: 27447477

2. A phase II trial of small-dose bortezomib, lenalidomide and dexamethasone (sVRD) as consolidation/maintenance therapy in patients with multiple myeloma.

Ibata S, Sato T, Kuroda H, Nagamachi Y, Iyama S, Fujimi A, Kamihara Y, Konuma Y, Yoshida M, Tatekoshi A, Hashimoto A, Horiguchi H, Ono K, Murase K, Takada K, Miyanishi K, Kobune M, Hirayama Y, Kato J.

Cancer Chemother Pharmacol. 2016 Oct 13.

PMID: 27738809

3. A Multicenter Retrospective Study of Mogamulizumab Efficacy in Adult T-Cell Leukemia/Lymphoma.

Iyama S, Sato T, Ohnishi H, Kanisawa Y, Ohta S, Kondo T, Mori A, Tsutsumi Y, Kuroda H, Kakinoki Y, Yamamoto S, Takahashi T, Shindo M, Torimoto Y, Sato K, Iwasaki H, Haseyama Y, Kohda K, Nagamachi Y, Hirayama Y, Sakai H, Hirata Y, Fukuhara T, Ikeda H, Kobune M, Kato J, Kurosawa M.

Clin Lymphoma Myeloma Leuk. 2016 Sep 17. pii: S2152-2650(16)30565-1. doi: 10.1016/j.clml.2016.09.009.



PMID: 27727135

4. Pneumatosis intestinalis during chemotherapy with nilotinib in a patient with chronic myeloid leukemia who tested positive for anti-topoisomerase I antibodies.

Fujimi A, Sakamoto H, Kanisawa Y, Minami S, Nagamachi Y, Yamauchi N, Ibata S, Kato J.

Clin J Gastroenterol. 2016 Sep 16. [Epub ahead of print]

PMID: 27638345

5. Erratum to: Conversion therapy for inoperable advanced gastric cancer patients by docetaxel, cisplatin, and S-1 (DCS) chemotherapy: a multi-institutional retrospective study.

Sato Y, Ohnuma H, Nobuoka T, Hirakawa M, Sagawa T, Fujikawa K, Takahashi Y, Shinya M, Katsuki S, Takahashi M, Maeda M, Okagawa Y, Naoki U, Kikuch S, Okamoto K, Miyamoto H, Shimada M, Takemasa I, Kato J, Takayama T. Gastric Cancer. 2016 Sep 14. [Epub ahead of print] No abstract available.

PMID: 27629880

6. Relationship Between Increased Fucosylation and Metastatic Potential in Colorectal Cancer.

Osuga T, Takimoto R, Ono M, Hirakawa M, Yoshida M, Okagawa Y, Uemura N, Arihara Y, Sato Y, Tamura F, Sato T, Iyama S, Miyanishi K, Takada K, Hayashi T, Kobune M, Kato J.

J Natl Cancer Inst. 2016 Sep 14;108(9). pii: djw210. doi: 10.1093/jnci/djw210. Print 2016 Sep. Erratum in: J Natl Cancer Inst. 2016 Sep;108(9). pii: djw228. doi: 10.1093/jnci/djw228.

PMID: 27628655

7. The iron chelator deferasirox induces apoptosis by targeting oncogenic Pyk2/ $\beta$ -catenin signaling in human multiple myeloma.

Kamihara Y, Takada K, Sato T, Kawano Y, Murase K, Arihara Y, Kikuchi S, Hayasaka N, Usami M, Iyama S, Miyanishi K, Sato Y, Kobune M, Kato J. Oncotarget. 2016 Sep 2. doi: 10.18632/oncotarget.11830. [Epub ahead of print] PMID: 27602957

8. Conversion therapy for inoperable advanced gastric cancer patients by docetaxel, cisplatin, and S-1 (DCS) chemotherapy: a multi-institutional retrospective study.

Sato Y, Ohnuma H, Nobuoka T, Hirakawa M, Sagawa T, Fujikawa K, Takahashi Y, Shinya M, Katsuki S, Takahashi M, Maeda M, Okagawa Y, Naoki U, Kikuch S, Okamoto K, Miyamoto H, Shimada M, Ichiro T, Kato J, Takayama T.

Gastric Cancer. 2016 Aug 23. [Epub ahead of print]

PMID: 27553665

9. [Treatment Outcomes of Adult-Onset Ewing Sarcoma: A Single-Center Retrospective Study of Five Cases].

Murase K, Takada K, Kamihara Y, Usami M, Yoshida M, Tatekoshi A, Hashimoto A, Arihara Y, Hayasaka N, Miura S, Iyama S, Sato T, Sato Y, Miyanishi K, Kobune M, Emori M, Kaya M, Yamashita T, Sugita S, Hasegawa T, Kato J. Gan To Kagaku Ryoho. 2016 Aug;43(8):1015-8. Japanese.

PMID: 27539047

10. A Comparison of Outcomes for Cord Blood Transplantation and Unrelated Bone Marrow Transplantation in Adult Aplastic Anemia.

Kuwatsuka Y, Kanda J, Yamazaki H, Mori T, Miyamura K, Kako S, Uchida N, Ohashi K, Ozawa Y, Takahashi Y, Kato C, Iwato K, Ishiyama K, Kobayashi H, Eto T, Kahata K, Kato J, Miyamoto T, Kato K, Mori S, Atsuta Y, Kimura F, Kanda Y; Japan Society for Hematopoietic Cell Transplantation.

Biol Blood Marrow Transplant. 2016 Oct;22(10):1836-43. doi: 10.1016/j.bbmt.2016.07.002. Epub 2016 Jul 8.

PMID: 27401034

11. Isoform D of vascular endothelial growth factor in systemic capillary leak syndrome: a case report.

Ibata S, Sato T, Takada K, Tatekoshi A, Hashimoto A, Kamihara Y, Jomen W, Horiguchi H, Ono K, Murase K, Iyama S, Miyanishi K, Sato Y, Takimoto R, Kobune M, Kato J.

J Med Case Rep. 2016 May 24;10:125. doi: 10.1186/s13256-016-0894-7.

PMID: 27386947 Free PMC Article

12. Influence of XRCC4 expression in esophageal cancer cells on the response to radiotherapy.

Hori M, Someya M, Matsumoto Y, Nakata K, Kitagawa M, Hasegawa T, Tsuchiya T, Fukushima Y, Gocho T, Sato Y, Ohnuma H, Kato J, Sugita S, Hasegawa T, Sakata KI.

Med Mol Morphol. 2016 Jun 23. [Epub ahead of print]

PMID: 27338590

13. Targeting Notch-1 positive acute leukemia cells by novel fucose-bound liposomes carrying daunorubicin.

Ono M, Takimoto R, Osuga T, Okagawa Y, Hirakawa M, Yoshida M, Arihara Y, Uemura N, Hayasaka N, Miura S, Matsuno T, Tamura F, Sato Y, Sato T, Iyama S, Miyanishi K, Takada K, Kobune M, Kato J.

Oncotarget. 2016 May 23. doi: 10.18632/oncotarget.9558. [Epub ahead of print]

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14. Relationship Between Increased Fucosylation and Metastatic Potential in Colorectal Cancer.

Osuga T, Takimoto R, Ono M, Hirakawa M, Yoshida M, Okagawa Y, Uemura N, Arihara Y, Sato Y, Tamura F, Sato T, Iyama S, Miyanishi K, Takada K, Hayashi T, Kobune M, Kato J.

J Natl Cancer Inst. 2016 Apr 13;108(8). pii: djw038. doi: 10.1093/jnci/djw038. Print 2016 Aug.

PMID: 27075853

15. Narrow-Band Ultraviolet B Phototherapy Ameliorates Acute Graft-Versus-Host Disease of the Intestine by Expansion of Regulatory T Cells.

Hashimoto A, Sato T, Iyama S, Yoshida M, Ibata S, Tatekoshi A, Kamihara Y, Horiguchi H, Murase K, Kawano Y, Takada K, Miyanishi K, Kobune M, Ichimiya S, Kato J.

PLoS One. 2016 Mar 31;11(3):e0152823. doi: 10.1371/journal.pone.0152823. eCollection 2016.

PMID: 27031239

16. Detection of human papillomavirus type 124 in a viral wart located on a thigh.

Sato S, Kan Y, Okura M, Sumikawa Y, Kato J, Kase K, Yamashita T.

J Dermatol. 2016 Sep;43(9):1101-2. doi: 10.1111/1346-8138.13332. Epub 2016 Mar 19. No abstract available.

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Hida T, Yoneta A, Wakamatsu K, Yanagisawa K, Ishii-Osai Y, Kan Y, Kato J, Yamashita T.  
*Australas J Dermatol.* 2016 May;57(2):145-9. doi: 10.1111/ajd.12455. Epub 2016 Mar 1.  
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18. [Neurolymphomatosis of the sciatic nerve diagnosed by FDG-PET/CT].  
Usami M, Murase K, Takada K, Iijima K, Yoshida M, Tatekoshi A, Hashimoto A, Iyama S, Sato T,  
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*Rinsho Ketsueki.* 2016 Jan;57(1):52-5. doi: 10.11406/rinketsu.57.52. Japanese.  
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19. Extracellular vesicle miR-7977 is involved in hematopoietic dysfunction of mesenchymal stromal cells via poly(rC) binding protein 1 reduction in myeloid neoplasms.  
Horiguchi H, Kobune M, Kikuchi S, Yoshida M, Murata M, Murase K, Iyama S, Takada K, Sato T, Ono K,  
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*Haematologica.* 2016 Apr;101(4):437-47. doi: 10.3324/haematol.2015.134932. Epub 2016 Jan 22.  
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宮西浩嗣、加藤淳二 *日本臨床* 2016;74:1156-1160

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# 腫瘍・血液内科学講座

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- 1 食道癌に対する新規化学療法の開発
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- 6 慢性肝炎における肝癌発症因子の探索
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- 16 赤白血病に対する新規治療法の開発
- 17 多発性骨髄腫に対する新規治療法の開発
- 18 骨軟部腫瘍に対する新規治療法の開発

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## ○Pub Med 掲載論文 (2014 年)

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# 腫瘍・血液内科学講座

## ○主な研究内容

- 1 食道癌に対する新規化学療法の開発
- 2 胃癌に対する新規化学療法の開発
- 3 大腸癌に対する新規化学療法の開発
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- 6 慢性肝炎における肝癌発症因子の探索
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- 17 多発性骨髄腫に対する新規治療法の開発
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