

開設の目的・概要 等				
<p>脳には、脳腫瘍・脳血管障害・神経障害など様々な疾患が発生する。脳は人間の臓器の中で唯一全摘出も移植もできない、特殊な器官であり、疾患に対する外科的治療には限界がある。また血液脳関門のため、脳組織に薬剤を到達させることは困難である。本講座は、脳疾患に特化して、様々な病態を研究し、新たな診断方法、治療法を開発することを目的として開設された。</p>				
区分	番号	学位論文	全著者名,論文名,掲載誌名, 掲載年 ; 巻 (号) : ページ番号	国際共同
英文原著	1		Nagane M, Ichimura K, Onuki R, Narushima D, Honda-Kitahara M, Satomi K, Tomiyama A, Arai Y, Shibata T, Narita Y, Uzuka T, Nakamura H, Nakada M, Arakawa Y, Ohnishi T, Mukasa A, Tanaka S, Wakabayashi T, Aoki T, Aoki S, Shibui S, Matsutani M, Ishizawa K, Yokoo H, Suzuki H, Morita S, Kato M, Nishikawa R. "Bevacizumab beyond Progression for Newly Diagnosed Glioblastoma (BIOMARK): Phase II Safety, Efficacy and Biomarker Study." Cancers (Basel). 2022 Nov 10;14(22):5522. doi: 10.3390/cancers14225522. PMID: 36428615	
英文原著	2		Hosoya T, Takahashi M, Davey C, Sese J, Honda-Kitahara M, Miyakita Y, Ohno M, Yanagisawa S, Omura T, Kawauchi D, Ozeki Y, Kikuchi M, Nakano T, Yoshida A, Igaki H, Matsushita Y, Ichimura K, Narita Y. "Volumetric Analysis of Glioblastoma for Determining Which CpG Sites Should Be Tested by Pyrosequencing to Predict Temozolomide Efficacy." Biomolecules. 2022 Sep 26;12(10):1379. doi: 10.3390/biom12101379. PMID: 36291588	
英文原著	3		Ohno M, Kitano S, Satomi K, Yoshida A, Miyakita Y, Takahashi M, Yanagisawa S, Tamura Y, Ichimura K, Narita Y. "Assessment of radiographic and prognostic characteristics of programmed death-ligand 1 expression in high-grade gliomas." J Neurooncol. 2022 Nov;160(2):463-472. doi: 10.1007/s11060-022-04165-7. Epub 2022 Oct 25.. PMID: 36282354	
英文原著	4		Maehara T, Yamazaki A, Nakano Y, Nakata S, Fukuoka K, Deguchi S, Mitsuya K, Hayashi N, Oishi T, Kakuda Y, Sugino T, Ichimura K, Yokoo H, Nobusawa S. "Exophytic cerebellopontine angle tumor showing mostly an embryonal appearance with H3-3A K27M." Neuropathology. 2022 Oct 11. doi: 10.1111/neup.12873. Online ahead of print. PMID: 36221932	
英文原著	5		Sumida S, Toki SI, Mori T, Satomi K, Takao S, Nobusawa S, Kakimoto T, Nakagawa S, Ryo E, Matsushita Y, Ichimura K, Nishisho T, Bando Y, Yoshida A. "ZFTA::RELA fusion in a distinct liposarcoma morphologically overlapping with chondroid lipoma." Genes Chromosomes Cancer. 2023 Feb;62(2):101-106. doi: 10.1002/gcc.23098. Epub 2022 Oct 19.PMID: 36201637	
英文原著	6		Suruga Y, Satomi K, Otani Y, Fujii K, Ishida J, Uneda A, Tsuboi N, Makino K, Hirano S, Kemmotsu N, Imoto R, Mizuta R, Tomita Y, Yasuhara T, Washio K, Yanai H, Matsushita Y, Hibiya Y, Yoshida A, Capper D, Ichimura K, Date I. "The utility of DNA methylation analysis in elderly patients with pilocytic astrocytoma morphology." J Neurooncol. 2022 Oct;160(1):179-189. doi: 10.1007/s11060-022-04131-3. Epub 2022 Sep 15. PMID:36107362	
英文原著	7		Yamada S, Tanikawa M, Shibata H, Honda-Kitahara M, Nakano Y, Satomi K, Sakata T, Hirose T, Ichimura K, Mase M. "DNA methylation array analysis for diffuse leptomeningeal glioneuronal tumor with conspicuous hypothalamic mass. A case report." Neuropathology. 2022 Dec;42(6):512-518. doi: 10.1111/neup.12818. Epub 2022 Sep 7. PMID: 36071620	

英文原著	8	Tomita Y, Hibler EA, Suruga Y, Ishida J, Fujii K, Satomi K, Ichimura K, Hirotsune N, Date I, Tanaka Y, Otani Y. "Age is a major determinant for poor prognosis in patients with pilocytic astrocytoma: a SEER population study" Clin Exp Med. 2022 Sep 5. doi: 10.1007/s10238-022-00882-5. Online ahead of print. PMID: 36063258
英文原著	9	Kawauchi D, Ohno M, Miyakita Y, Takahashi M, Yanagisawa S, Omura T, Yoshida A, Kubo Y, Igaki H, Ichimura K, Narita Y. "Early Diagnosis and Surgical Intervention Within 3 Weeks From Symptom Onset Are Associated With Prolonged Survival of Patients With Glioblastoma." Neurosurgery. 2022 Nov 1;91(5):741-748. doi: 10.1227/neu.0000000000002096. Epub 2022 Aug 15. PMID: 35951724
英文原著	10	Sonehara K, Kimura Y, Nakano Y, Ozawa T, Takahashi M, Suzuki K, Fujii T, Matsushita Y, Tomiyama A, Kishikawa T, Yamamoto K, Naito T, Suzuki T, Yamaguchi S, Miwa T, Sasaki H, Kitagawa M, Ohe N, Fukai J, Ogiwara H, Kawamura A, Miyawaki S, Matsuda F, Kiyokawa N, Ichimura K, Nishikawa R, Okada Y, Terashima K. "A common deletion at BAK1 reduces enhancer activity and confers risk of intracranial germ cell tumors." Nat Commun. 2022 Aug 2;13(1):4478. doi: 10.1038/s41467-022-32005-9. PMID: 35918310
英文原著	11	Satomi K, Yoshida A, Matsushita Y, Sugino H, Fujimoto K, Honda-Kitahara M, Takahashi M, Ohno M, Miyakita Y, Narita Y, Yatabe Y, Shibahara J, Ichimura K. "Clinical application of a highly sensitive digital PCR assay to detect a small fraction of IDH1 R132H-mutant alleles in diffuse gliomas." Brain Tumor Pathol. 2022 Oct;39(4):210-217. doi: 10.1007/s10014-022-00442-5. Epub 2022 Jul 29. PMID: 35902443
英文原著	12	Kurozumi K, Fujii K, Washio K, Ishida J, Otani Y, Sudo T, Tahara M, Ichimura K, Ennishi D, Date I. "Response to entrectinib in a malignant glioneuronal tumor with ARHGEF2-NTRK fusion." Neurooncol Adv. 2022 Jun 13;4(1):vdac094. doi: 10.1093/noajnl/vdac094. eCollection 2022 Jan-Dec. PMID: 35821677
英文原著	13	Satomi K, Ohno M, Kubo T, Honda-Kitahara M, Matsushita Y, Ichimura K, Narita Y, Ichikawa H, Yoshida A. "Central nervous system sarcoma with ATXN1::DUX4 fusion expands the concept of CIC-rearranged sarcoma." Genes Chromosomes Cancer. 2022 Nov;61(11):683-688. doi: 10.1002/gcc.23080. Epub 2022 Jul 13. PMID: 35715887
英文原著	14	Handa H, Shibahara I, Nakano Y, Inukai M, Sato S, Hide T, Hirato J, Yoshioka T, Ichimura K, Kumabe T. "Molecular analyses of rosette-forming glioneuronal tumor of the midbrain tegmentum: A report of two cases and a review of the FGFR1 status in unusual tumor locations." Surg Neurol Int. 2022 May 20;13:213. doi: 10.25259/SNI_55_2022. eCollection 2022. PMID: 35673672
英文原著	15	Omura T, Takahashi M, Ohno M, Miyakita Y, Yanagisawa S, Tamura Y, Kikuchi M, Kawauchi D, Nakano T, Hosoya T, Igaki H, Satomi K, Yoshida A, Sunami K, Hirata M, Shimoi T, Sudo K, Okuma HS, Yonemori K, Suzuki H, Ichimura K, Narita Y. "Clinical Application of Comprehensive Genomic Profiling Tests for Diffuse Gliomas." Cancers (Basel). 2022 May 16;14(10):2454. doi: 10.3390/cancers14102454. PMID:35626060
英文原著	16	Takami H, Nakamura H, Ichimura K, Nishikawa R. "Still divergent but on the way to convergence: clinical practice of CNS germ cell tumors in Europe and North America from the perspectives of the East." Neurooncol Adv. 2022 Apr 22;4(1):vdac061. doi: 10.1093/noajnl/vdac061. eCollection 2022 Jan-Dec. PMID: 35611272
英文原著	17	Yamazaki A, Arai Y, Fukuoka K, Nakano Y, Hama N, Nakata S, Makino K, Kuroda JI, Shinojima N, Mukasa A, Mikami Y, Ichimura K, Shibata T, Yokoo H, Nobusawa S. "Diffusely infiltrating glioma with CREBBP-BCORL1 fusion showing overexpression of not only BCORL1 but BCOR: A case report." Brain Tumor Pathol. 2022 Jul;39(3):171-178. doi: 10.1007/s10014-022-00435-4. Epub 2022 May 21. PMID: 35596897
英文原著	18	Ohno M, Miyakita Y, Takahashi M, Yanagisawa S, Tamura Y, Kawauchi D, Kikuchi M, Igaki H, Yoshida A, Satomi K, Matsushita Y, Ichimura K, Narita Y. "Assessment of therapeutic outcome and role of reirradiation in patients with radiation-induced glioma." Radiat Oncol. 2022 May 3;17(1):85. doi: 10.1186/s13014-022-02054-x. PMID: 35505351
英文原著	19	Kojima N, Arai Y, Satomi K, Kubo T, Matsushita Y, Mori T, Matsushita H, Ushijima T, Yatabe Y, Shibata T, Yonemori K, Ichimura K, Ichikawa H, Kawai A, Yoshida A. "Co-expression of ERG and CD31 in a subset of CIC-rearranged sarcoma: a potential diagnostic pitfall." Mod Pathol. 2022 Oct;35(10):1439-1448. doi: 10.1038/s41379-022-01078-8. Epub 2022 Apr 19. PMID: 35440765

英文原著	20		Hosoya T, Takahashi M, Honda-Kitahara M, Miyakita Y, Ohno M, Yanagisawa S, Omura T, Kawauchi D, Tamura Y, Kikuchi M, Nakano T, Yoshida A, Igaki H, Matsushita Y, Ichimura K, Narita Y. "MGMT gene promoter methylation by pyrosequencing method correlates volumetric response and neurological status in IDH wild-type glioblastomas." J Neurooncol. 2022 May;157(3):561-571. doi: 10.1007/s11060-022-03999-5. Epub 2022 Apr 10. PMID: 35397757	
英文原著	21		Sasame J, Ikegaya N, Kawazu M, Natsumeda M, Hayashi T, Isoda M, Satomi K, Tomiyama A, Oshima A, Honma H, Miyake Y, Takabayashi K, Nakamura T, Ueno T, Matsushita Y, Iwashita H, Kanemaru Y, Murata H, Ryo A, Terashima K, Yamanaka S, Fujii Y, Mano H, Komori T, Ichimura K, Cahill DP, Wakimoto H, Yamamoto T, Tateishi K. "HSP90 inhibition overcomes resistance to molecular targeted therapy in BRAFV600E mutant high-grade glioma." Clin Cancer Res. 2022 Jun 1;28(11):2425-2439. doi: 10.1158/1078-0432.CCR-21-3622. PMID: 35344043	
英文原著	22		Takami H, Graffeo CS, Perry A, Giannini C, Nakazato Y, Saito N, Matsutani M, Nishikawa R, Ichimura K, Daniels DJ. "Roles of Tumor Markers in Central Nervous System Germ Cell Tumors Revisited with Histopathology-Proven Cases in a Large International Cohort." Cancers (Basel). 2022 Feb 15;14(4):979. doi: 10.3390/cancers14040979. PMID: 35205726	
英文原著	23		Yanagi M, Fukuoka K, Mori M, Arakawa Y, Matsushita Y, Hibiya Y, Tanami Y, Ichimura K, Hirato J, Nakazawa A, Kurihara J, Koh K. "Prognostic Implication of DNA Methylation Signature in Atypical Choroid Plexus Papilloma With Intracranial Dissemination." J Pediatr Hematol Oncol. 2022 May 1;44(4):e844-e848. doi: 10.1097/MPH.0000000000002428. Epub 2022 Feb 18. PMID: 35180763	○
英文原著	24		Takami H, Elzawahry A, Mamatjan Y, Fukushima S, Fukuoka K, Suzuki T, Yanagisawa T, Matsushita Y, Nakamura T, Satomi K, Tanaka S, Mukasa A, Saito N, Kanamori M, Kumabe T, Tominaga T, Kobayashi K, Nagane M, Iuchi T, Tamura K, Maehara T, Sugiyama K, Yoshimoto K, Sakai K, Nonaka M, Asai A, Yokogami K, Takeshima H, Narita Y, Shibui S, Nakazato Y, Hama N, Totoki Y, Kato M, Shibata T, Nishikawa R, Matsutani M, Ichimura K; Intracranial Germ Cell Tumor Genome Analysis Consortium (the iGCT Consortium). "Transcriptome and Methylome Analysis of CNS Germ Cell Tumor Finds its Cell-of-Origin in Embryogenesis and Reveals Shared Similarities with Testicular Counterparts." Neuro Oncol. 2022 Aug 1;24(8):1246-1258. doi: 10.1093/neuonc/noac021. PMID: 35137206	
英文原著	25		Yoshida A, Satomi K, Kobayashi E, Ryo E, Matsushita Y, Narita Y, Ichimura K, Kawai A, Mori T. "Soft tissue sarcoma with MN1-BEND2 fusion: a case report and comparison with astroblastoma." Genes Chromosomes Cancer. 2022 Jul;61(7):427-431. doi: 10.1002/gcc.23028. Epub 2022 Feb 6. PMID: 35094441	
英文原著	26		Uchida E, Sasaki A, Shirahata M, Suzuki T, Adachi JI, Mishima K, Yasuda M, Fujimaki T, Ichimura K, Nishikawa R. "Role of proliferative marker index and KBTBD4 mutation in the pathological diagnosis of pineal parenchymal tumors." Brain Tumor Pathol. 2022 Jul;39(3):130-138. doi: 10.1007/s10014-021-00421-2. Epub 2022 Jan 9. PMID: 35000018	
英文原著	27		Kawauchi D, Ohno M, Honda-Kitahara M, Miyakita Y, Takahashi M, Yanagisawa S, Tamura Y, Kikuchi M, Ichimura K, Narita Y. "The clinical characteristics and outcomes of incidentally discovered glioblastoma." J Neurooncol. 2022 Feb;156(3):551-557. doi: 10.1007/s11060-021-03931-3. Epub 2022 Jan 5. PMID: 34985720	
英文原著	28		Nakano T, Fujimoto K, Tomiyama A, Takahashi M, Achiha T, Arita H, Kawauchi D, Yasukawa M, Masutomi K, Kondo A, Narita Y, Maehara T, Ichimura K. "Eribulin prolongs survival in an orthotopic xenograft mouse model of malignant meningioma." Cancer Sci. 2022 Feb;113(2):697-708. doi: 10.1111/cas.15221. Epub 2021 Dec 8. PMID: 34839570	
英文原著	29	*	Yoshida A, Arai Y, Satomi K, Kubo T, Ryo E, Matsushita Y, Hama N, Sudo K, Komiyama M, Yatabe Y, Shibata T, Ichikawa H, Ichimura K, Kawai A, Mori T. "Identification of novel SSX1 fusions in synovial sarcoma." Mod Pathol. 2022 Feb;35(2):228-239. doi: 10.1038/s41379-021-00910-x. Epub 2021 Sep 9. PMID: 34504309	

英文原著	30	Satomi K, Takami H, Fukushima S, Yamashita S, Matsushita Y, Nakazato Y, Suzuki T, Tanaka S, Mukasa A, Saito N, Kanamori M, Kumabe T, Tominaga T, Kobayashi K, Nagane M, Iuchi T, Yoshimoto K, Tamura K, Maehara T, Sakai K, Sugiyama K, Yokogami K, Takeshima H, Nonaka M, Asai A, Ushijima T, Matsutani M, Nishikawa R, Ichimura K. "12p gain is predominantly observed in non-germinomatous germ cell tumors and identifies an unfavorable subgroup of central nervous system germ cell tumors." Neuro Oncol. 2022 May 4;24(5):834-846. doi: 10.1093/neuonc/noab246. PMID: 34698864	
区分	番号	全著者名,論文名,掲載誌名,掲載年;巻(号):ページ番号	国際共同
英文総説	1	Takami H, Ichimura K. "Biomarkers for risk-based treatment modifications for CNS germ cell tumors: Updates on biological underpinnings, clinical trials, and future directions." Front Oncol. 2022 Sep 5;12:982608. doi: 10.3389/fonc.2022.982608. eCollection 2022. PMID: 36132131	
英文総説	2	Arita H, Ichimura K. "Prognostic significance of TERT promoter mutations in adult-type diffuse gliomas." Brain Tumor Pathol. 2022 Jan 31. doi: 10.1007/s10014-021-00424-z. Online ahead of print. PMID: 35098369	
区分	番号	発表者名,発表タイトル(題目・演題・課題等),学会名,場所,発表年月日等	国際共同
国際学会発表	1	Molecular pathogenesis and genetic predisposition of central nervous system germ cell tumors. 市村幸一、The 2nd International Scientific Symposium of the Taiwan Pediatric Brain Tumor Consortium 2022, Taipei	
国際学会発表	2	Toward understanding of the pathogenesis of central nervous system germ cell tumors. 市村幸一、The 20th International Symposium on Pediatric Neuro-Oncology, 2022, Hamburg, Germany	
国際学会発表	3	Oncogenesis of CNS germ cell tumors. 市村幸一、The World Federation of Neuro-Oncology Society 2022, Seoul, Korea	
国際学会発表	4	Significance of TERT promoter mutations in malignant brain tumors. 市村幸一、The World Federation of Neuro-Oncology Society 2022, Seoul, Korea	
区分	番号	全著者名,論文名,掲載誌名,掲載年;巻(号):ページ番号	国際共同
和文総説	1	中野嘉子、市村幸一、坂本博昭:「小児Hemispheric glioma」医学書院 脳神経外科 No Shinkei Geka. 2022 Jan;50(1):122-131. doi: 10.11477/mf.1436204537. PMID: 35169092	
区分	番号	発表者名,発表タイトル(題目・演題・課題等),学会名,場所,発表年月日等	国際共同
国内学会発表	1	「BIOMARK 試験附随研究: Cluster 2 発現プロファイルはbevacizumab の治療効果を予測するバイオマーカーである」、市村幸一、第40回日本脳腫瘍学会学術集会、鴨川グランドホテル、千葉、2022	
国内学会発表	2	「グリオーマにおけるヒストンH3 遺伝子変異の意義」、市村幸一、第40回日本脳腫瘍学会学術集会、鴨川グランドホテル、千葉、2022	
国内学会発表	3	「Molecular pathogenesis of central nervous system germ cell tumors」、市村幸一、第64回日本小児血液・がん学会学術集会、虎ノ門ヒルズフォーラム、東京、2022	
区分	番号	講演者名,講演タイトル,学会名,場所,発表年月日等	国際共同
特別講演・招待講演	1	「小児脳腫瘍の分子分類」、市村幸一、2022年度第3回JCCG共催セミナー、ウェビナー、2022	
特別講演・招待講演	2	「小児脳腫瘍の分子診断」、市村幸一、第4回日本脳腫瘍学会 Webinar講演会、ウェビナー、2022	

特別講演・招待講演	3	「Molecular pathogenesis and classification of pediatric brain tumors」、市村幸一、藤田医科大学 Comprehensive Medical Sciences, 2022	
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