

Curriculum Vitae

Harrison Bai, MD, MS
Associate Professor, Vice Chair of Clinical Research

Personal (Do not add Social Security Number or CO License Number)

Office Address: Mail Stop L954; Leprino Building; Room 557; 12401 East 17th Avenue, Aurora, Colorado 80045

Office Phone: (720)848-0000

Cell Phone: (267)844-5802

E-mail Address: harrison.bai@cuanschutz.edu

EDUCATION

09/2004-05/2008	Yale University New Haven, CT BA
09/2009-05/2013	Yale School of Medicine New Haven, CT MD
06/2013-12/2017	Johns Hopkins University Baltimore, MD MS in Bioinformatics
09/2021-05/2026	Johns Hopkins University Baltimore, MD MS in Computer Science

Post-Graduate Training

Internship:	
06/2013-06/2014	General Surgery University of Pennsylvania Philadelphia, PA
Residency:	
06/2014-06/2015	General Surgery University of Pennsylvania Philadelphia, PA
06/2015-06/2018	Diagnostic Radiology University of Pennsylvania Philadelphia, PA
Fellowship:	
06/2018-06/2019	Interventional Radiology University of Pennsylvania Philadelphia, PA

ACADEMIC APPOINTMENTS

Academic Rank: Medical School Positions

Appointments:

07/2019-06/2021	Assistant Professor of Radiology Brown University
-----------------	--

Providence, RI

07/2021-10/2023

Assistant Professor of Radiology
Johns Hopkins University
Baltimore, MD

11/2023-06/2025

Associate Professor of Radiology
Johns Hopkins University
Baltimore, MD

07/2025-present

Adjunct Professor of Radiology
Johns Hopkins University
Baltimore, MD

07/2025-present

Associate Professor of Radiology
University of Colorado
Aurora, CO

10/2025-present

Associate Professor of Biomedical Engineering (Affiliate Faculty)
University of Colorado
Boulder, CO

10/2025-present

Associate Professor of Computational Bioscience (Affiliate Faculty)
University of Colorado
Aurora, CO**Radiology Departmental Positions:**

07/2019-06/2021

Attending Radiologist – Interventional Radiology
Rhode Island Hospital and Miriam Hospital
Providence, RI

07/2021-06/2025

Attending Radiologist – Body Imaging
Johns Hopkins Hospital and Johns Hopkins Bayview Medical Center
Baltimore, MD

07/2025-present

Attending Radiologist – Body Imaging
University of Colorado
Aurora, CO

07/2025-present

Vice Chair of Clinical Research
University of Colorado
Aurora, CO**HOSPITAL, GOVERNMENT OR OTHER PROFESSIONAL POSITIONS****Hospital Faculty Attending Positions**

07/2019-06/2021

Rhode Island Hospital and Miriam Hospital
Providence, RI

07/2021-06/2025

Johns Hopkins Hospital and Johns Hopkins Bayview Medical Center
Baltimore, MD

07/2025-present University of Colorado Anschutz Medical Center
Aurora, CO

AWARDS AND HONORS (Including Major Appointments in the department or hospital)

2025	Associate Editor at npj Digital Medicine New York, NY
2021	Amazon Web Service Diagnostic Development Initiative Award Seattle, WA
2020	Associate Editor at Radiology: Artificial Intelligence Chicago, IL
2020	SIR pilot award Fairfax, VA
2020	RSNA Research Scholar Grant Chicago, IL
2020	Amazon Web Service Diagnostic Development Initiative Award Seattle, WA
2020	Brown University Interdisciplinary Team Undergraduate Teaching and Research Awards Faculty Sponsor Providence, RI
2018	RSNA Fellow Research Grant Chicago, IL
2018	NVIDA GPU Grant Santa Clara, CA
2018	SIR Resident Research Grant Fairfax, VA
2017	RSNA Trainee Research Prize Chicago, IL
2011	NASPGHAN/CDHNF Medical Student Mentored Student Summer Research Award Amber, PA
2007	Yale College Dean's Research Fellowship New Haven, CT
2005	National Science Foundation REU Award Alexandria, VA

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

National/International Medical Organizations (Alphabetically)

American Board of Radiology (ABR)
07/2015 - present

MAJOR COMMITTEE & SERVICE RESPONSIBILITIES

National/International Medical Organizations (Alphabetically)

Radiological Society of North America (RSNA)

07/2020-06/2022

Machine Learning Steering Subcommittee of the RSNA Radiology Informatics
Committee member

MEDICAL LICENSURE AND BOARD CERTIFICATION

State Licensure: State of Colorado: Expires: 04/30/2027

Board Certifications American Board of Radiology

2024 Diagnostic and Interventional Radiology American Board of Radiology

2025-Current Maintenance of Certification (MOC) Yearly

INVENTIONS, INTELLECTUAL PROPERTY & PATENTS HELD OR PENDING

Patents (Pending)

- System and Method for Coarse-to-Fine Segmentation of Images to Detect Kidney and Renal Growths.
U.S. Patent Application No. 18/881,495, filed January 6, 2025.
- PET/CT Atlas for Segmentation.
International Patent Application No. PCT/US24/46993, filed September 17, 2024.

REVIEW & REFEREE WORK

Peer Review Work: Journal Reviews

1. Nature
2. The Lancet
3. Nature Machine Intelligence
4. Lancet Digital Health
5. Radiology
6. EbioMedicine
7. European Radiology
8. Journal of Imaging Informatics in Medicine
9. Scientific Reports
10. Cancer Imaging
11. Journal of Thoracic Imaging
12. Clinical Cancer Research
13. Journal of Magnetic Resonance Imaging
14. Nature Communications
15. JAMA oncology
16. IEEE/ACM Transactions on Computational Biology and Bioinformatics

Peer Review Work: Editorial Board

1. NPJ Digital Medicine
2. Radiology: Artificial Intelligence

INVITED EXTRAMURAL LECTURES, PRESENTATIONS, & VISITING PROFESSORSHIPS

Regional

1. *“AI application in Radiology”*, Joint conference on “How Israelis and Rhode Islanders are Using AI to Change the World of Digital Health” (virtual), Rhode Island Hospital and Brown Center for Digital Health, 05/06/21

National or International

2. “Big data and clinical outcome registries: AI-based concepts to improve clinical decision making”, Machine learning in interventional oncology panel at Society of Interventional Radiology annual scientific meeting, Society of Interventional Radiology, 03/27/2019
3. *“AI Augmentation of Radiologist Performance in Distinguishing COVID-19 from Pneumonia of Other Etiology on Chest CT”*, COVID-19 Webinars (virtual), MICCAI Society, 05/14/2021
4. *“Academic-Industrial Partnerships for AI Co-Developments Do’s and Don’ts”*, Research Consensus Panel on “From code to bedside – the journey towards artificial intelligence in interventional radiology” (virtual), Society of Interventional Radiology, 12/02/2021
5. “Deep Learning for Ovarian Tumor classification”, the 9th Asian Congress of Abdominal Radiology (ACAR2022), the 4th Annual Scientific Meeting of ASMRM (virtual), Chung Gang Memorial Hospital, Taipei, Taiwan, 05/21/2022
6. *“Development of AI derived vision-language foundation model for automatic disease diagnosis and report generation”*, University of Southern California Radiology Grand Rounds, 01/18/2024
7. *“Normal pressure hydrocephalus: how AI assists in diagnosis and treatment”*, Hydrocephalus Association CONNECT National Conference on Hydrocephalus, 07/22/2024

TEACHING RECORD

Major Presentations

Medical Students (Number of Learners, Frequency, Duration, e.g.1hr)

Graduate Students (Number of Learners, Frequency, Duration, e.g.1hr)

“Application of artificial intelligence to medical imaging analysis”, ENGN 2500 Medical Image Analysis, Brown University Department of Engineering at Brown University. Guest lecturer on application of medical image analysis for Radiology (2019); >20 learners, once, duration 1 hour.

“How to implement machine learning/deep learning for a real project?”, Molecular Imaging Seminar Series (interdepartmental), Central South University, Xiangya Hospital in Changsha, Hunan Province, China (2020-2026). Class instructor (remote) on lecture to medical PhD and graduate students; >200 learners, 5 times, duration 45 minutes

Residents/Fellows (Number of Learners, Frequency, Duration, e.g.1hr)

“Application of artificial intelligence in Radiology”, Radiology Residency morning conference, Department of Diagnostic Imaging, Brown University. Presenter on application of artificial intelligence in Radiology (2020); >30 learners, once, duration 45 minutes

“Application of artificial intelligence in Radiology”, Radiology Residency morning conference, Johns Hopkins University Department of Radiology. Presenter on application of artificial intelligence in Radiology (2021-2025); >30 learners, 4 times, duration 45 minutes

Course Numbers and Dates

State Ward/Clinic Attending Duties (e.g., “2000-03: Supervision and bedside teaching of residents, high-risk hypertension clinic - 6 hours/week”)

Key Administrative Positions (course or training program director) and dates

Specific Accomplishments (course development, innovative syllabus, etc.)

Teaching Awards (should be listed here AND in Awards & Honors)

GRANT SUPPORT (Active Grants 1st)

Research Funding

Organization: National Science Foundation

Title of Research: AI-Driven RFID Sensing for Smart Health Applications

Name(s): Mao, S.; Bai, H.

Your Role: Co-PD/PI

Funding Source (Grant Number): NSF (2545071)

Start Date – End Date: 08/01/2023 – 07/31/2027

Your Effort:

- 0.96 calendar months/year (8.0%) in 2025
- 1.00 calendar months/year (8.3%) in 2026–2027

Total Direct Costs: \$1,200,000

Organization: U.S. Department of Defense – USAMRAA

Title of Research: Development of a Fully Automated Deep Learning-Based Framework for Segmentation and Treatment Response Assessment of Lesions on PSMA PET/CT in Prostate Cancer

Name(s): Bai, H.

Your Role: PD/PI

Funding Source (Grant Number): DOD (HT94252510807)

Start Date – End Date: 09/01/2024 – 08/31/2027

Your Effort: 1.20 calendar months/year (0.24%)

Total Direct Costs: \$1,000,000

Organization: American Heart Association

Title of Research: Advancing Generative AI for Cardiac MRI: A Multi-Sequence Vision-Language Model for Personalized Diagnostics and Outcome Prediction

Name(s): Bai, H.

Your Role: PD/PI

Funding Source (Grant Number): AHA (25IPA1454088)

Start Date – End Date: 09/01/2025 – 08/31/2027

Your Effort: 0.84 calendar months/year (7.0%)

Total Direct Costs: \$200,000

Organization: NIH / NCI via Brown University

Title of Research: Employing Quantitative Image Analysis Based on Deep Learning to Improve Treatment Efficacy in Image-Guided Renal Tumor Ablation

Name(s): Kimia, B.; Bai, H.

Your Role: Co-PD/PI (Subcontract)

Funding Source (Grant Number): NIH/NCI R03 (1R03CA286693-01A1)

Start Date – End Date: 07/01/2024 – 06/30/2026

Your Effort:

- 0.25 calendar months/year (2.1%) in 2025
- 0.24 calendar months/year (2.0%) in 2026

Total Direct Costs (Subaward): \$114,726

Organization: NIH / NCI via Massachusetts General Hospital

Title of Research: Molecular Subtyping of Brain Tumors Using a Blood-Based Multiplexed Assay

Name(s): Balaj, L.; Bai, H.

Your Role: Sub-Investigator
Funding Source (Grant Number): NIH/NCI R01 (R01CA291826)
Start Date – End Date: 04/01/2025 – 03/31/2030
Your Effort: 0.60 calendar months/year (5.0%)
Total Direct Costs (Subaward): \$2,164,075

Organization: NIH / NCI
Title of Research: Integrating Circulating Tumor DNA Assay and Protein-Based MRI to Accurately Monitor Glioma Therapy
Name(s): Jiang, S.; Bettegowda, C.
Your Role: Co-Investigator
Funding Source (Grant Number): NIH/NCI
Period of Performance: 07/01/2023 – 06/30/2028
Your Effort:
 • 2025: 0.44 calendar months (3.7%)
 • 2026–2028: 0.60 calendar months/year (5.0%)
Total Direct Costs: \$3,335,123

Organization: NIH / NCI via Carina Medical LLC
Title of Research: Multi-Modality Imaging-Based Quantitative Pre/During/Post-Treatment Lymph Node Monitoring in Cancers
Name(s): Feng, X.; Bai, H.
Your Role: Sub-Investigator (Sub-PI)
Funding Source (Grant Number): NIH/NCI
Start Date – End Date: 09/01/2023 – 08/31/2025
Your Effort: 0.55 calendar months/year (2025)
Total Direct Costs (Subaward): \$2,000,000

Organization: Johns Hopkins Institute for Clinical and Translational Research (ICTR)
Title of Research: Enhancing Large Vision-Language Model Efficacy Through Representative Slice Selection from 3D Medical Imaging Data
Name(s): Bai, H.
Your Role: PD/PI
Funding Source (Grant Number): ICTR Pilot Award
Period of Performance: 07/01/2024 – 06/30/2025
Your Effort:
 • 2025: 0.06 calendar months (0.5%)
Total Direct Costs: \$50,000

Organization: NIH / NCI
Title of Research: Deep Learning Characterization of Renal Tumors
Name(s): Bai, H.
Your Role: PD/PI
Start Date – End Date: 03/01/2020 – 03/31/2024
Total Direct Costs: \$161,000

Organization: NIH / NCI
Title of Research: Multi-Modality Quantitative Imaging for Evaluation of Response to Cancer Therapy
Name(s): Rowe, S.; Bai, H.
Your Role: Co-Investigator
Start Date – End Date: 07/01/2018 – 06/30/2023
Total Direct Costs: \$2,589,012

Organization: RSNA Research & Education Foundation

Title of Research: Deep Learning-Based Response Assessment and Outcome Prediction for Transarterial Chemoembolization of Hepatocellular Carcinoma

Name(s): Bai, H.

Your Role: PD/PI

Start Date – End Date: 07/01/2020 – 06/30/2023

Total Direct Costs: \$150,000

Organization: Brown University

Title of Research: Utilization of Deep Learning to Predict Characteristics and Treatment Response in Renal Tumors

Name(s): Cetintemel, U.; Bai, H.

Your Role: Co-PI

Start Date – End Date: 07/01/2021 – 06/30/2022

Total Direct Costs: \$50,000

BIBLIOGRAPHY

Peer-Reviewed Publications (*Must include PubMed links; Number chronologically oldest to newest*)

* Fellow, Resident Mentee

1. **Bai HX**, Lowe ME, Husain SZ (2011). What have we learned about acute pancreatitis in children?. Journal of pediatric gastroenterology and nutrition, 52(3), 262-70. <https://pubmed.ncbi.nlm.nih.gov/21336157/>
2. Mishra AM, **Bai H**, Gribizis A, Blumenfeld H (2011). Neuroimaging biomarkers of epileptogenesis. Neuroscience letters, 497(3), 194-204. <https://pubmed.ncbi.nlm.nih.gov/21303682/>
3. **Bai HX**, Ma MH, Orabi AI, Park A, Latif SU, Bhandari V, Husain SZ (2011). Novel characterization of drug-associated pancreatitis in children. Journal of pediatric gastroenterology and nutrition, 53(4), 423-8. <https://pubmed.ncbi.nlm.nih.gov/21681111/>
4. Moran MS, **Bai HX**, Harris EE, Arthur DW, Bailey L, Bellon JR, Carey L, Goyal S, Halyard MY, Horst KC, MacDonald SM, Haffty BG (2012). ACR appropriateness criteria(®) ductal carcinoma in situ. The breast journal, 18(1), 8-15. <https://pubmed.ncbi.nlm.nih.gov/22107336/>
5. Ma MH, **Bai HX**, Park AJ, Latif SU, Mistry PK, Pashankar D, Northrup VS, Bhandari V, Husain SZ (2012). Risk factors associated with biliary pancreatitis in children. Journal of pediatric gastroenterology and nutrition, 54(5), 651-6. <https://pubmed.ncbi.nlm.nih.gov/22002481/>
6. Morinville VD, Husain SZ, **Bai H**, Barth B, Alhosh R, Durie PR, Freedman SD, Himes R, Lowe ME, Pohl J, Werlin S, Wilschanski M, Uc A (2012). Definitions of pediatric pancreatitis and survey of present clinical practices. Journal of pediatric gastroenterology and nutrition, 55(3), 261-5. <https://pubmed.ncbi.nlm.nih.gov/22357117/>
7. **Bai HX**, Giefer M, Patel M, Orabi AI, Husain SZ (2012). The association of primary hyperparathyroidism with pancreatitis. Journal of clinical gastroenterology, 46(8), 656-61. <https://pubmed.ncbi.nlm.nih.gov/22874807/>
8. Nelson C, **Bai H**, Neboori H, Takita C, Motwani S, Wright JL, Hobeika G, Haffty BG, Jones T, Goyal S, Moran MS (2012). Multi-institutional experience of ductal carcinoma in situ in black vs white patients treated with breast-conserving surgery and whole breast radiation therapy. International journal of radiation oncology, biology, physics, 84(3), e279-83. <https://pubmed.ncbi.nlm.nih.gov/22672752/>
9. Zhang G, **Bai HX**, Yang L, Ma MH, Su Y, Luo Y, Wen H, Lu Q, Xiao R (2013). NK-/T-cell lymphoma resembling hydroa vacciniforme with positive CD4 marker expression: a diagnostic difficulty. The American Journal of dermatopathology, 35(1), 94-7. <https://pubmed.ncbi.nlm.nih.gov/22885552/>
10. **Bai HX** (2013). An uncommon anatomic variant of the biliary tree in a potential liver donor. Digestive and liver disease : official journal of the Italian Society of Gastroenterology and the Italian Association for the Study of the Liver, 45(6), e9. <https://pubmed.ncbi.nlm.nih.gov/23141869/>
11. Cheng SX, **Bai HX**, Gonzalez-Peralta R, Mistry PK, Gorelick FS (2013). Calcium ameliorates diarrhea in immunocompromised children. Journal of pediatric gastroenterology and nutrition, 56(6), 641-4. <https://pubmed.ncbi.nlm.nih.gov/23343935/>

12. **Bai HX**, Wang ZL, Tan LM, Xiao B, Goldstein JM, Yang L (2013). The effectiveness of immunomodulating treatment on Miller Fisher syndrome: a retrospective analysis of 65 Chinese patients. *Journal of the peripheral nervous system : JPNS*, 18(2), 195-6. <https://pubmed.ncbi.nlm.nih.gov/23781970/>
13. Yue J, Zhang K, **Bai HX**, Du J, Cammisa F, Abjornson C, Mo F (2013). A comparison of patients who have undergone 1-Level versus 2-Level ProDisc arthroplasty: a prospective study with minimum of 5-year follow-up. *Spine*, 38(14), 1194-8. <https://pubmed.ncbi.nlm.nih.gov/23392415/>
14. Wang ZL, **Bai HX**, Yang L (2013). Spontaneous spinal epidural hematoma during pregnancy: case report and literature review. *Neurology India*, 61(4), 436-7. <https://pubmed.ncbi.nlm.nih.gov/24005747/>
15. Yang L, **Bai HX**, Zhao X, Xiao Y, Tan L (2013). Postpartum cerebral angiopathy presenting with non-aneurysmal subarachnoid hemorrhage and interval development of neurological deficits: a case report and review of literature. *Neurology India*, 61(5), 517-22. <https://pubmed.ncbi.nlm.nih.gov/24262456/>
16. **Bai HX**, Motwani SB, Higgins SA, Haffty BG, Wilson LD, Lannin DR, Evans SB, Moran MS (2014). Breast conservation therapy for ductal carcinoma in situ (DCIS): does presentation of disease affect long-term outcomes?. *International journal of clinical oncology*, 19(3), 460-6. <https://pubmed.ncbi.nlm.nih.gov/23780727/>
17. Yang L, **Bai HX**, Zhao X, Xiao Y, Tan L (2014). Short-term risk of stroke after dizziness presentation. *Annals of neurology*, 76(5), 766-7. <https://pubmed.ncbi.nlm.nih.gov/25257757/>
18. Xiao Y, **Bai HX**, Zhao X, Shu Y, Zou Y, Yang L (2014). Craniocervical pneumatization presenting as cranial nerve IX-XII palsies: case report and review of the literature. *Neurology India*, 62(6), 699-700. <https://pubmed.ncbi.nlm.nih.gov/25591699/>
19. Zou Y, **Bai HX**, Shu Y, Mao C, Yan B, Yang L (2015). Anaplastic oligoastrocytoma: is molecular stratification based on 1p/19q status alone appropriate?. *Journal of neuro-oncology*, 122(1), 217-8. <https://pubmed.ncbi.nlm.nih.gov/25555564/>
20. Zou Y, **Bai HX**, Wang Z, Yang L (2015). Comparison of immunohistochemistry and DNA sequencing for the detection of IDH1 mutations in gliomas. *Neuro-oncology*, 17(3), 477-8. <https://pubmed.ncbi.nlm.nih.gov/25556921/>
21. Zhao X, **Bai HX**, Tan LM, Yang L (2015). Anticonvulsants delaying the diagnosis of Cushing's syndrome in a patient who presents with schizophrenia. *Chinese medical journal*, 128(5), 700-1. <https://pubmed.ncbi.nlm.nih.gov/25698208/>
22. Youngblood MW, Chen WC, Mishra AM, Enamandram S, Sanganahalli BG, Motelow JE, **Bai HX**, Frohlich F, Gribizis A, Lighten A, Hyder F, Blumenfeld H (2015). Rhythmic 3-4Hz discharge is insufficient to produce cortical BOLD fMRI decreases in generalized seizures. *NeuroImage*, 109(), 368-77. <https://pubmed.ncbi.nlm.nih.gov/25562830/>
23. Zhao X, Tan L, Yang L, **Bai HX** (2015). Is vascular fragility a significant concern in Ehlers-Danlos syndrome type VIA?. *Pediatric neurology*, 52(4), e3-4. <https://pubmed.ncbi.nlm.nih.gov/25616373/>
24. Zhao X, **Bai HX**, Zou Y, Yang L (2015). Letter: Reoperation for recurrent high-grade glioma: does tumor genetics play a role?. *Neurosurgery*, 76(4), E496-7. <https://pubmed.ncbi.nlm.nih.gov/25635893/>
25. Zou Y, **Bai HX**, Wang Z, Jiang Y, Yang L (2015). Association of IDH1/2 mutation with preoperative seizure in low-grade gliomas: how strong is the evidence?. *Epilepsy research*, 112(), 154-5. <https://pubmed.ncbi.nlm.nih.gov/25769499/>
26. Zou Y, **Bai HX**, Wang Z, Yang L (2015). Biopsy versus resection in the management of high-grade gliomas in the elderly. *Neuro-oncology*, 17(6), 901-3. <https://pubmed.ncbi.nlm.nih.gov/25758747/>
27. Yang L, **Bai HX** (2015). Letter by Yang and Bai regarding article, "Safety of intravenous thrombolysis in stroke mimics: prospective 5-year study and comprehensive meta-analysis". *Stroke*, 46(6), e155-6. <https://pubmed.ncbi.nlm.nih.gov/25931461/>
28. Zou Y, **Bai HX**, Tao Y (2015). Diagnosing Encephalitis, Not Otherwise Specified. *JAMA neurology*, 72(6), 725-6. <https://pubmed.ncbi.nlm.nih.gov/26053446/>
29. Zou Y, **Bai HX**, Wang Z, Jiang Y, Yang L (2015). Radiation therapy after subtotal resection of pediatric grade II/III spinal ependymomas: what is the evidence?. *Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery*, 31(7), 1021-2. <https://pubmed.ncbi.nlm.nih.gov/25694025/>
30. **Bai HX**, Zou Y, Lee AM, Lancaster E, Yang L (2015). Diagnostic Value and Safety of Brain Biopsy in Patients With Cryptogenic Neurological Disease: A Systematic Review and Meta-analysis of 831 Cases. *Neurosurgery*, 77(2), 283-95; discussion 295. <https://pubmed.ncbi.nlm.nih.gov/25856111/>

31. Wang ZL, **Bai HX**, Gao X, Qiu D, Yang L (2015). Acid-suppressive medication use in acute stroke patients: is it time to change practice?. *International journal of stroke : official journal of the International Stroke Society*, 10(6), E55. <https://pubmed.ncbi.nlm.nih.gov/26202711/>
32. Yang L, **Bai HX**, Lee AM, Zou Y, Xiao B, Zhou J, Zhang P (2015). The role of radiotherapy in the treatment of spinal chordomas: an integrative analysis of 523 cases. *Neuro-oncology*, 17(10), 1419-20. <https://pubmed.ncbi.nlm.nih.gov/26395061/>
33. Yang L, Su C, Lee AM, **Bai HX** (2015). Focusing on rare diseases in China: are we there yet?. *Orphanet journal of rare diseases*, 10(), 142. <https://pubmed.ncbi.nlm.nih.gov/26525984/>
34. Lee AM, **Bai HX**, Zou YJ, Wang ZL, Qiu DX, Tang HY, Yang L (2015). Superior Mesenteric Artery Syndrome in a 20-year-old Athletic Female with Abdominal Pain. *Chinese medical journal*, 128(23), 3260-1. <https://pubmed.ncbi.nlm.nih.gov/26612308/>
35. **Bai HX**, Lee AM, Wang Z, Tang H, Yang L (2016). Infrapatellar fat pad maximal area and changes in knee symptoms: gender-related difference or gender difference in reporting?. *Annals of the rheumatic diseases*, 75(1), e3. <https://pubmed.ncbi.nlm.nih.gov/26458739/>
36. **Bai HX**, Lee AM, Yang L, Zhang P, Davatzikos C, Maris JM, Diskin SJ (2016). Imaging genomics in cancer research: limitations and promises. *The British journal of radiology*, 89(1061), 20151030. <https://pubmed.ncbi.nlm.nih.gov/26864054/>
37. Wang Z, Lee AM, **Bai HX**, Tang H, Yang L (2016). Stenting of symptomatic extracranial vertebral artery stenosis: Is further testing indicated?. *International journal of stroke : official journal of the International Stroke Society*, 11(2), NP22-4. <https://pubmed.ncbi.nlm.nih.gov/26783319/>
38. Yang L, **Bai HX**, Lee AM (2016). Leveraging Imperfect Data Sets to Draw New Conclusions: Radiogenomics' True Value?. *Journal of the American College of Radiology : JACR*, 13(2), 120-1. <https://pubmed.ncbi.nlm.nih.gov/26846388/>
39. Yang L, Zhou H, Tang H, Lee AM, **Bai HX** (2016). A relationship between extracapsular involvement and response to steroid treatment in polymyalgia rheumatica: too soon to conclude?. *Annals of the rheumatic diseases*, 75(4), e16. <https://pubmed.ncbi.nlm.nih.gov/26698848/>
40. Yang L, **Bai HX**, Huang X, Lee AM, Tang X, Zhang P (2016). Brain biopsy in atypical dementia and primary angiitis of the central nervous system. *Human pathology*, 51(), 146-7. <https://pubmed.ncbi.nlm.nih.gov/26980042/>
41. Wang D, Xu J, **Bai HX** (2016). Postoperative Care of Patients Undergoing Coronary Artery Bypass Graft: Beyond the Surgeon and the Anesthesiologist. *Anesthesia and analgesia*, 122(5), 1721-2. <https://pubmed.ncbi.nlm.nih.gov/27101510/>
42. **Bai HX**, Zou Y, Lee AM, Tang X, Zhang P, Yang L (2016). Does morphological assessment have a role in classifying oligoastrocytoma as 'oligodendrogial' versus 'astrocytic'?. *Histopathology*, 68(7), 1114-5. <https://pubmed.ncbi.nlm.nih.gov/26466141/>
43. **Bai HX**, Lee AM, Rosen MA (2016). Abdominal Pain in a Patient 13 Years After Roux-en-Y Gastric Bypass. *Gastroenterology*, 150(7), 1540-1541. <https://pubmed.ncbi.nlm.nih.gov/27140492/>
44. Lee AM, **Bai HX**, Zou Y, Qiu D, Zhou J, Martinez-Lage Alvarez M, Zhang P, Tao Y, Tang X, Xiao B, Yang L (2016). Safety and diagnostic value of brain biopsy in HIV patients: a case series and meta-analysis of 1209 patients. *Journal of neurology, neurosurgery, and psychiatry*, 87(7), 722-33. <https://pubmed.ncbi.nlm.nih.gov/26758989/>
45. Zou T, Yang L, Lee AM, Tan X, Wong E, **Bai HX** (2016). Can genetics explain the higher risk of worsening knee pain in offspring of people with total knee replacement for severe primary knee osteoarthritis?. *Annals of the rheumatic diseases*, 75(7), e45. <https://pubmed.ncbi.nlm.nih.gov/26964145/>
46. Huang X, **Bai H**, Zhou H, Tang H, Yang L (2016). Performance of 18F-FET-PET versus 18F-FDG-PET for the diagnosis and grading of brain tumors: inherent bias in meta-analysis not revealed by quality metrics. *Neuro-oncology*, 18(7), 1028. <https://pubmed.ncbi.nlm.nih.gov/27271089/>
47. **Bai HX**, Xiao Y, Zhao X, Wang Z, Kasner SE, Yang L (2016). Early identification of cerebrovascular events in patients presenting with vertigo or dizziness. *International journal of stroke : official journal of the International Stroke Society*, 11(6), NP64-7. <https://pubmed.ncbi.nlm.nih.gov/26891733/>
48. Tang H, **Bai HX**, Su C, Lee AM, Yang L (2016). The effect of cirrhosis on radiogenomic biomarker's ability to predict microvascular invasion and outcome in hepatocellular carcinoma. *Hepatology (Baltimore, Md.)*, 64(2), 691-2. <https://pubmed.ncbi.nlm.nih.gov/27113641/>
49. Zhou H, Huang X, **Bai HX**, Tan X, Xiao B, Yang L (2016). Prognostic relevance of epilepsy at presentation in lower-grade gliomas. *Neuro-oncology*, 18(9), 1326-7. <https://pubmed.ncbi.nlm.nih.gov/27370395/>

50. Yang L, Lee AM, **Bai HX** (2016). Diffuse T2 Signal Hyperintensity of the Teres Minor in a Patient With Polyarteritis Nodosa. *AJR. American journal of roentgenology*, 207(6), W135.
<https://pubmed.ncbi.nlm.nih.gov/27611857/>
51. Huang X, **Bai HX**, Yang L (2017). ZEB1 expression in Chinese lower-grade gliomas. *Journal of neuro-oncology*, 133(1), 213-215. <https://pubmed.ncbi.nlm.nih.gov/28421463/>
52. Yang M, Sun J, **Bai HX**, Tao Y, Tang X, States LJ, Zhang Z, Zhou J, Farwell MD, Zhang P, Xiao B, Yang L (2017). Diagnostic accuracy of SPECT, PET, and MRS for primary central nervous system lymphoma in HIV patients: A systematic review and meta-analysis. *Medicine*, 96(19), e6676.
<https://pubmed.ncbi.nlm.nih.gov/28489744/>
53. Deng L, Zhou H, Xiao B, **Bai HX**, Yang L (2017). Letter to the Editor. Specificity and validity of putaminal involvement as a prognostic factor in Grade II insular gliomas. *Journal of neurosurgery*, 126(6), 2053-2054.
<https://pubmed.ncbi.nlm.nih.gov/28186455/>
54. Zhou H, Vallières M, **Bai HX**, Su C, Tang H, Oldridge D, Zhang Z, Xiao B, Liao W, Tao Y, Zhou J, Zhang P, Yang L (2017). MRI features predict survival and molecular markers in diffuse lower-grade gliomas. *Neuro-oncology*, 19(6), 862-870. <https://pubmed.ncbi.nlm.nih.gov/28339588/>
55. Tan X, **Bai HX**, Wang Z, Yang L (2017). Risk of stroke in imaging-proven subclavian steal syndrome. *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*, 41(), 168-169.
<https://pubmed.ncbi.nlm.nih.gov/28372904/>
56. Li Y, **Bai HX**, Su C, Zhang G (2017). Generalized Indeterminate Cell Histiocytosis Presenting as Eroded Papules and Crusts. *The American Journal of dermatopathology*, 39(7), 542-544.
<https://pubmed.ncbi.nlm.nih.gov/28633156/>
57. Yang M, **Bai HX**, Yang L (2017). MicroRNA-21 expression in the prognosis of low-grade gliomas: data from the cancer genome atlas (TCGA) project. *Journal of neuro-oncology*, 134(1), 241-242.
<https://pubmed.ncbi.nlm.nih.gov/28547591/>
58. Su C, Nguyen KA, **Bai HX**, Cao Y, Tao Y, Xiao R, Karakousis G, Zhang PJ, Zhang G (2017). Racial disparity in mycosis fungoides: An analysis of 4495 cases from the US National Cancer Database. *Journal of the American Academy of Dermatology*, 77(3), 497-502.e2. <https://pubmed.ncbi.nlm.nih.gov/28645647/>
59. Wu J, Zou T, **Bai HX**, Li X, Zhang Z, Xiao B, Nasrallah M, Karakousis G, Cao Y, Zhang PJ, Yang L (2017). Comparison of chemoradiotherapy with radiotherapy alone for "biopsy only" anaplastic astrocytoma. *Oncotarget*, 8(40), 69038-69046. <https://pubmed.ncbi.nlm.nih.gov/28978179/>
60. Zhou J, Sun J, **Bai HX**, Huang X, Zou Y, Tan X, Zhang Z, Tang X, Tao Y, Xiao B, Zhang PJ, Yang L (2017). Prognostic Factors in Patients With Spinal Chordoma: An Integrative Analysis of 682 Patients. *Neurosurgery*, 81(5), 812-823. <https://pubmed.ncbi.nlm.nih.gov/28368502/>
61. DuBois SG, Mody R, Naranjo A, Van Ryn C, Russ D, Oldridge D, Kreissman S, Baker DL, Parisi M, Shulkin BL, **Bai H**, Diskin SJ, Batra V, Maris JM, Park JR, Matthay KK, Yanik G (2017). MIBG avidity correlates with clinical features, tumor biology, and outcomes in neuroblastoma: A report from the Children's Oncology Group. *Pediatric blood & cancer*, 64(11), . <https://pubmed.ncbi.nlm.nih.gov/28383813/>
62. Yang M, **Bai HX**, Deng L, Xiao B, Yang L (2017). MicroRNA-128 expression not associated with glioma-associated epilepsy in WHO grades 2 glioma: Data from the Cancer Genome Atlas (TCGA) project. *Epilepsy research*, 137(), 119-120. <https://pubmed.ncbi.nlm.nih.gov/29054511/>
63. Chang K, **Bai HX**, Zhou H, Su C, Bi WL, Agbodza E, Kavouridis VK, Senders JT, Boaro A, Beers A, Zhang B, Capellini A, Liao W, Shen Q, Li X, Xiao B, Cryan J, Ramkissoon S, Ramkissoon L, Ligon K, Wen PY, Bindra RS, Woo J, Arnaout O, Gerstner ER, Zhang PJ, Rosen BR, Yang L, Huang RY, Kalpathy-Cramer J (2018). Residual Convolutional Neural Network for the Determination of IDH Status in Low- and High-Grade Gliomas from MR Imaging. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 24(5), 1073-1081. <https://pubmed.ncbi.nlm.nih.gov/29167275/>
64. Su C, Peng C, Agbodza E, **Bai HX**, Huang Y, Karakousis G, Zhang PJ, Zhang Z (2018). Publication trend, resource utilization, and impact of the US National Cancer Database: A systematic review. *Medicine*, 97(9), e9823.
<https://pubmed.ncbi.nlm.nih.gov/29489679/>
65. Wu J, Neale N, Huang Y, **Bai HX**, Li X, Zhang Z, Karakousis G, Huang R, Zhang PJ, Tang L, Xiao B, Yang L (2018). Comparison of Adjuvant Radiation Therapy Alone and Chemotherapy Alone in Surgically Resected Low-Grade Gliomas: Survival Analyses of 2253 Cases from the National Cancer Data Base. *World neurosurgery*, 112(), e812-e822. <https://pubmed.ncbi.nlm.nih.gov/29409888/>

66. Nguyen KA, Su C, **Bai HX**, Zhang Z, Xiao R, Karakousis G, Zhang PJ, Zhang G (2018). Disease site as a determinant of survival outcome in patients with systemic anaplastic lymphoma kinase positive anaplastic large cell lymphoma with extranodal involvement: an analysis of 1306 cases from the US National Cancer Database. *British journal of haematology*, 181(2), 196-204. <https://pubmed.ncbi.nlm.nih.gov/29602182/>
67. Zou Y, Sun J, Zhou Y, **Bai HX**, Huang X, Babu R, Landi A, Foong KS, Zhang Z, Woo JH, Tao Y, Li X, Tang X, Xiao B, Zhang PJ, Yang L (2018). Prognostic Factors and Treatment of Spinal Astrocytomas: A Multi-institutional Cohort Analysis. *Spine*, 43(10), E565-E573. <https://pubmed.ncbi.nlm.nih.gov/29135884/>
68. Su C, Nguyen KA, **Bai HX**, Balaji D, Cao Y, Karakousis G, Zhang PJ, Zhang G, Xiao R (2018). Comparison of chemoradiotherapy with radiotherapy alone for early-stage extranodal natural killer/T-cell lymphoma, nasal type in elderly patients. *Leukemia & lymphoma*, 59(6), 1406-1412. <https://pubmed.ncbi.nlm.nih.gov/28980517/>
69. Wu J, **Bai HX**, Zhang Z (2018). Clavicle pain. *Skeletal radiology*, 47(6), 847-848. <https://pubmed.ncbi.nlm.nih.gov/29396696/>
70. Su C, Nguyen KA, **Bai HX**, Zogg CK, Cao Y, Karakousis G, Zhang PJ, Zhang G, Xiao R (2018). Ethnic disparity in primary cutaneous CD30(+) T-cell lymphoproliferative disorders: an analysis of 1496 cases from the US National Cancer Database. *British journal of haematology*, 181(6), 752-759. <https://pubmed.ncbi.nlm.nih.gov/29676444/>
71. **Bai HX**, Pyeritz RE, Trerotola SO (2018). Covered Stents in the Treatment of Pulmonary Arteriovenous Malformations. *Journal of vascular and interventional radiology : JVIR*, 29(7), 981-985. <https://pubmed.ncbi.nlm.nih.gov/29935788/>
72. Huang Y, Chan L, **Bai HX**, Li X, Zhang Z, Wang Y, Cao Y, Karakousis G, Huang R, Xiao B, Zhang PJ, Yang L (2018). Assessment of care pattern and outcome in hemangioblastoma. *Scientific reports*, 8(1), 11144. <https://pubmed.ncbi.nlm.nih.gov/30042517/>
73. Su C, Nguyen KA, **Bai HX**, Cao Y, Tao Y, Karakousis G, Zhang PJ, Zhang G, Xiao R (2018). Disease site as a determinant of survival outcome in patients with primary cutaneous peripheral T-cell lymphoma, unspecified: an analysis of 4057 cases from the US National Cancer Database. *Leukemia & lymphoma*, 59(9), 2105-2112. <https://pubmed.ncbi.nlm.nih.gov/29214867/>
74. Tang L, Deng L, **Bai HX**, Sun J, Neale N, Wu J, Wang Y, Chang K, Huang RY, Zhang PJ, Li X, Xiao B, Cao Y, Tao Y, Yang L (2018). Reduced expression of DNA repair genes and chemosensitivity in 1p19q codeleted lower-grade gliomas. *Journal of neuro-oncology*, 139(3), 563-571. <https://pubmed.ncbi.nlm.nih.gov/29923053/>
75. Su C, Karakousis G, Zhang PJ, **Bai HX** (2018). Relative survival of patients with central neurocytoma. *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*, 55(), 123-124. <https://pubmed.ncbi.nlm.nih.gov/30041900/>
76. Huang Y, Shen Q, **Bai HX**, Wu J, Ma C, Shang Q, Hunt SJ, Karakousis G, Zhang PJ, Zhang Z (2018). Comparison of Radiofrequency Ablation and Hepatic Resection for the Treatment of Hepatocellular Carcinoma 2 cm or Less. *Journal of vascular and interventional radiology : JVIR*, 29(9), 1218-1225.e2. <https://pubmed.ncbi.nlm.nih.gov/30075975/>
77. Yang L, Tan X, **Bai HX**, Huang Y, Wojcik J, Song S (2018). Mesenteric plexiform neurofibroma. *Neurology India*, 66(5), 1521-1522. <https://pubmed.ncbi.nlm.nih.gov/30233045/>
78. Zou Y, Neale N, Sun J, Yang M, **Bai HX**, Tang L, Zhang Z, Landi A, Wang Y, Huang RY, Zhang PJ, Li X, Xiao B, Yang L (2018). Prognostic Factors in Clival Chordomas: An Integrated Analysis of 347 Patients. *World neurosurgery*, 118(), e375-e387. <https://pubmed.ncbi.nlm.nih.gov/29969746/>
79. Su C, Karakousis G, Zhang PJ, **Bai HX** (2018). Letter: Craniotomy and Survival for Primary Central Nervous System Lymphoma. *Neurosurgery*, 83(4), E190-E191. <https://pubmed.ncbi.nlm.nih.gov/30085234/>
80. Landi A, Grasso G, Mancarella C, Dugoni DE, Gregori F, Iacopino G, **Bai HX**, Marotta N, Iaquinandi A, Delfini R (2018). Recurrent lumbar disc herniation: Is there a correlation with the surgical technique? A multivariate analysis. *Journal of craniovertebral junction & spine*, 9(4), 260-266. <https://pubmed.ncbi.nlm.nih.gov/30787588/>
81. Kuthuru S, Deaderick W, **Bai H**, Su C, Vu T, Monga V, Rao A (2018). A Visually Interpretable, Dictionary-Based Approach to Imaging-Genomic Modeling, With Low-Grade Glioma as a Case Study. *Cancer informatics*, 17(), 1176935118802796. <https://pubmed.ncbi.nlm.nih.gov/30305794/>
82. Wu J, Kim C, **Bai HX**, Tang L, Wang Y, Li X, Zhang Z, Karakousis G, Huang R, Zhang PJ, Xiao B, Yang L (2019). Comparison of Radiation Therapy Alone and Chemotherapy Alone for Low-Grade Gliomas without Surgical Resection. *World neurosurgery*, 122(), e108-e120. <https://pubmed.ncbi.nlm.nih.gov/30261385/>
83. Su C, **Bai HX**, Xiao R (2019). HTLV-1 status should be recorded in cases of T cell lymphomas/lymphoproliferative disorders - cases of adult T cell leukaemia lymphoma masquerading as other T cell lymphomas/lymphoproliferative

- disorders could explain some of the apparent ethnic disparities - response to Lo Bello and Naresh. *British journal of haematology*, 185(2), 327-328. <https://pubmed.ncbi.nlm.nih.gov/30074244/>
84. Zhou H, Chang K, **Bai HX**, Xiao B, Su C, Bi WL, Zhang PJ, Senders JT, Vallières M, Kavouridis VK, Boaro A, Arnaout O, Yang L, Huang RY (2019). Machine learning reveals multimodal MRI patterns predictive of isocitrate dehydrogenase and 1p/19q status in diffuse low- and high-grade gliomas. *Journal of neuro-oncology*, 142(2), 299-307. <https://pubmed.ncbi.nlm.nih.gov/30661193/>
 85. Su C, Tang R, **Bai HX**, Girardi M, Karakousis G, Zhang PJ, Xiao R, Zhang G (2019). Disease site as a prognostic factor for mycosis fungoides: an analysis of 2428 cases from the US National Cancer Database. *British journal of haematology*, 185(3), 592-595. <https://pubmed.ncbi.nlm.nih.gov/30216417/>
 86. Tang R, Su C, **Bai HX**, Zeng Z, Karakousis G, Zhang PJ, Zhang G, Xiao R (2019). Association of insurance status with survival in patients with cutaneous T-cell lymphoma. *Leukemia & lymphoma*, 60(5), 1253-1260. <https://pubmed.ncbi.nlm.nih.gov/30326769/>
 87. Wu J, Chang J, **Bai HX**, Su C, Zhang PJ, Karakousis G, Reddy S, Hunt S, Soulen MC, Stavropoulos SW, Zhang Z (2019). A Comparison of Cryoablation with Heat-Based Thermal Ablation for Treatment of Clinical T1a Renal Cell Carcinoma: A National Cancer Database Study. *Journal of vascular and interventional radiology : JVIR*, 30(7), 1027-1033.e3. <https://pubmed.ncbi.nlm.nih.gov/31176590/>
 88. **Bai HX**, Davis AJO, Mantell MP, Troiano MA, Brandis AW, Redmond JRB, Clark TWI (2019). Prediction of Limb Salvage Following Percutaneous Vascular Intervention Using a Composite Tibial Artery Perfusion Score. *Cardiovascular and interventional radiology*, 42(8), 1080-1087. <https://pubmed.ncbi.nlm.nih.gov/31001667/>
 89. Su C, Nguyen KA, **Bai HX**, Christensen SR, Cao Y, Tao Y, Karakousis G, Zhang PJ, Zhang G, Xiao R (2019). Comparison of Mohs Surgery and Surgical Excision in the Treatment of Localized Sebaceous Carcinoma. *Dermatologic surgery : official publication for American Society for Dermatologic Surgery [et al.]*, 45(9), 1125-1135. <https://pubmed.ncbi.nlm.nih.gov/30829780/>
 90. Zhou H, **Bai HX**, Chan L, Zhang PJ, Karakousis G, Huang R, Xiao B, Yang L (2019). Survival Benefit of Adjuvant Radiotherapy in Elderly Patients with WHO Grade III Meningioma. *World neurosurgery*, 131(), e303-e311. <https://pubmed.ncbi.nlm.nih.gov/31356979/>
 91. Habibollahi P, **Bai H**, Raper SE, Ginsberg GG, Shlansky-Goldberg RD (2019). Large Anastomotic Leak after Roux-en-Y Gastric Bypass Revision Managed by Percutaneous Fluoroscopic-Guided Neostomosis and Delayed Stenting. *Journal of vascular and interventional radiology : JVIR*, 30(11), 1796-1797. <https://pubmed.ncbi.nlm.nih.gov/31655763/>
 92. Chang K, Beers AL, **Bai HX**, Brown JM, Ly KI, Li X, Senders JT, Kavouridis VK, Boaro A, Su C, Bi WL, Rapalino O, Liao W, Shen Q, Zhou H, Xiao B, Wang Y, Zhang PJ, Pinho MC, Wen PY, Batchelor TT, Boxerman JL, Arnaout O, Rosen BR, Gerstner ER, Yang L, Huang RY, Kalpathy-Cramer J (2019). Automatic assessment of glioma burden: a deep learning algorithm for fully automated volumetric and bidimensional measurement. *Neuro-oncology*, 21(11), 1412-1422. <https://pubmed.ncbi.nlm.nih.gov/31190077/>
 93. Peng C, Ho J, **Bai HX**, Huang Y, Huang RY, Yang L (2019). Adjuvant radiotherapy and chemotherapy in early-stage diffuse large B cell lymphoma of head and neck with extranodal involvement. *Hematology (Amsterdam, Netherlands)*, 24(1), 268-275. <https://pubmed.ncbi.nlm.nih.gov/31793408/>
 94. Fang S, **Bai HX**, Fan X, Li S, Zhang Z, Jiang T, Wang Y (2020). A Novel Sequence: ZOOMit-Blood Oxygen Level-Dependent for Motor-Cortex Localization. *Neurosurgery*, 86(2), E124-E132. <https://pubmed.ncbi.nlm.nih.gov/31642505/>
 95. Xi IL, Zhao Y, Wang R, Chang M, Purkayastha S, Chang K, Huang RY, Silva AC, Vallières M, Habibollahi P, Fan Y, Zou B, Gade TP, Zhang PJ, Soulen MC, Zhang Z, **Bai HX**, Stavropoulos SW (2020). Deep Learning to Distinguish Benign from Malignant Renal Lesions Based on Routine MR Imaging. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 26(8), 1944-1952. <https://pubmed.ncbi.nlm.nih.gov/31937619/>
 96. Luo YH, Xi IL, Wang R, Abdallah HO, Wu J, Vance AZ, Chang K, Kohi M, Jones L, Reddy S, Zhang ZS, **Bai HX**, Shlansky-Goldberg R (2020). Deep Learning Based on MR Imaging for Predicting Outcome of Uterine Fibroid Embolization. *Journal of vascular and interventional radiology : JVIR*, 31(6), 1010-1017.e3. <https://pubmed.ncbi.nlm.nih.gov/32376183/>
 97. Collins SA, Wu J, **Bai HX** (2020). Facial De-identification of Head CT Scans. *Radiology*, 296(1), 22. <https://pubmed.ncbi.nlm.nih.gov/32255419/>

98. Habibollahi P, **Bai HX**, Sanampudi S, Soulen MC, Dagli M (2020). Effectiveness of Liver-Directed Therapy for the Management of Intractable Hypoglycemia in Metastatic Insulinoma. *Pancreas*, 49(6), 763-767.
<https://pubmed.ncbi.nlm.nih.gov/32541627/>
99. **Bai HX**, Hsieh B, Xiong Z, Halsey K, Choi JW, Tran TML, Pan I, Shi LB, Wang DC, Mei J, Jiang XL, Zeng QH, Egglin TK, Hu PF, Agarwal S, Xie FF, Li S, Healey T, Atalay MK, Liao WH (2020). Performance of Radiologists in Differentiating COVID-19 from Non-COVID-19 Viral Pneumonia at Chest CT. *Radiology*, 296(2), E46-E54.
<https://pubmed.ncbi.nlm.nih.gov/32155105/>
100. Halsey K, Wu J, Su C, Hsieh B, Yi T, Collins SA, Kimia B, Zhang PJ, Healey T, Zhang Z, **Bai HX** (2020). Ablation Therapy for Advanced Stage Non-Small Cell Lung Cancer: A National Cancer Database Study. *Journal of vascular and interventional radiology : JVIR*, 31(8), 1210-1215.e4. <https://pubmed.ncbi.nlm.nih.gov/32460964/>
101. Shellikeri S, **Bai H**, Setser RM, Hurst RW, Cahill AM (2020). Association of intracranial arteriovenous malformation embolization with more rapid rate of perfusion in the peri-nidal region on color-coded quantitative digital subtraction angiography. *Journal of neurointerventional surgery*, 12(9), 902-905.
<https://pubmed.ncbi.nlm.nih.gov/32188762/>
102. **Bai HX**, Wang R, Xiong Z, Hsieh B, Chang K, Halsey K, Tran TML, Choi JW, Wang DC, Shi LB, Mei J, Jiang XL, Pan I, Zeng QH, Hu PF, Li YH, Fu FX, Huang RY, Sebro R, Yu QZ, Atalay MK, Liao WH (2020). Artificial Intelligence Augmentation of Radiologist Performance in Distinguishing COVID-19 from Pneumonia of Other Origin at Chest CT. *Radiology*, 296(3), E156-E165. <https://pubmed.ncbi.nlm.nih.gov/32339081/>
103. Zhou H, Zhu L, Leng Y, Wang D, **Bai HX**, Xiong Z, Shi L, Liao W (2020). Clinical and imaging findings of discharged patients with SARS-CoV-2 positive anal swab samples: a descriptive study. *BMC infectious diseases*, 20(1), 644. <https://pubmed.ncbi.nlm.nih.gov/32873230/>
104. Peng J, Zhou H, Tang O, Chang K, Wang P, Zeng X, Shen Q, Wu J, Xiao Y, Patel SH, Hu C, Jin K, Xiao B, Boxerman J, Gao X, Wen PY, **Bai HX**, Huang RY, Yang L (2020). Evaluation of RAPNO criteria in medulloblastoma and other leptomeningeal seeding tumors using MRI and clinical data. *Neuro-oncology*, 22(10), 1536-1544. <https://pubmed.ncbi.nlm.nih.gov/32215549/>
105. Wu J, **Bai HX**, Chan L, Su C, Zhang PJ, Yang L, Zhang Z (2020). Sublobar resection compared with stereotactic body radiation therapy and ablation for early stage non-small cell lung cancer: A National Cancer Database study. *The Journal of thoracic and cardiovascular surgery*, 160(5), 1350-1357.e11.
<https://pubmed.ncbi.nlm.nih.gov/32033815/>
106. Zhao Y, Chang M, Wang R, Xi IL, Chang K, Huang RY, Vallières M, Habibollahi P, Dagli MS, Palmer M, Zhang PJ, Silva AC, Yang L, Soulen MC, Zhang Z, **Bai HX**, Stavropoulos SW (2020). Deep Learning Based on MRI for Differentiation of Low- and High-Grade in Low-Stage Renal Cell Carcinoma. *Journal of magnetic resonance imaging : JMRI*, 52(5), 1542-1549. <https://pubmed.ncbi.nlm.nih.gov/32222054/>
107. Kim M, Suh CH, Lee SM, Kim HC, Aizer AA, Yanagihara TK, **Bai HX**, Guenette JP, Huang RY, Kim HS (2020). Diagnostic Yield of Staging Brain MRI in Patients with Newly Diagnosed Non-Small Cell Lung Cancer. *Radiology*, 297(2), 419-427. <https://pubmed.ncbi.nlm.nih.gov/32840470/>
108. Purkayastha S, Zhao Y, Wu J, Hu R, McGirr A, Singh S, Chang K, Huang RY, Zhang PJ, Silva A, Soulen MC, Stavropoulos SW, Zhang Z, **Bai HX** (2020). Differentiation of low and high grade renal cell carcinoma on routine MRI with an externally validated automatic machine learning algorithm. *Scientific reports*, 10(1), 19503.
<https://pubmed.ncbi.nlm.nih.gov/33177576/>
109. He Y, Pan I, Bao B, Halsey K, Chang M, Liu H, Peng S, Sebro RA, Guan J, Yi T, Delworth AT, Eweje F, States LJ, Zhang PJ, Zhang Z, Wu J, Peng X, **Bai HX** (2020). Deep learning-based classification of primary bone tumors on radiographs: A preliminary study. *EBioMedicine*, 62(), 103121. <https://pubmed.ncbi.nlm.nih.gov/33232868/>
110. Xi IL, Wu J, Guan J, Zhang PJ, Horii SC, Soulen MC, Zhang Z, **Bai HX** (2021). Deep learning for differentiation of benign and malignant solid liver lesions on ultrasonography. *Abdominal radiology (New York)*, 46(2), 534-543.
<https://pubmed.ncbi.nlm.nih.gov/32681268/>
111. **Bai HX**, Thomasian NM (2021). RICORD: A Precedent for Open AI in COVID-19 Image Analytics. *Radiology*, 299(1), E219-E220. <https://pubmed.ncbi.nlm.nih.gov/33404359/>
112. **Bai HX**, Wang R, Xiong Z, Hsieh B, Chang K, Halsey K, Tran TML, Choi JW, Wang DC, Shi LB, Mei J, Jiang XL, Pan I, Zeng QH, Hu PF, Li YH, Fu FX, Huang RY, Sebro R, Yu QZ, Atalay MK, Liao WH (2021). Artificial Intelligence Augmentation of Radiologist Performance in Distinguishing COVID-19 from Pneumonia of Other Origin at Chest CT. *Radiology*, 299(1), E225. <https://pubmed.ncbi.nlm.nih.gov/33750227/>

113. Jiao Z, Choi JW, Halsey K, Tran TML, Hsieh B, Wang D, Eweje F, Wang R, Chang K, Wu J, Collins SA, Yi TY, Delworth AT, Liu T, Healey TT, Lu S, Wang J, Feng X, Atalay MK, Yang L, Feldman M, Zhang PJL, Liao WH, Fan Y, **Bai HX** (2021). Prognostication of patients with COVID-19 using artificial intelligence based on chest x-rays and clinical data: a retrospective study. *The Lancet. Digital health*, 3(5), e286-e294.
<https://pubmed.ncbi.nlm.nih.gov/33773969/>
114. Choi JW, Hu R, Zhao Y, Purkayastha S, Wu J, McGirr AJ, Stavropoulos SW, Silva AC, Soulen MC, Palmer MB, Zhang PJL, Zhu C, Ahn SH, **Bai HX** (2021). Preoperative prediction of the stage, size, grade, and necrosis score in clear cell renal cell carcinoma using MRI-based radiomics. *Abdominal radiology (New York)*, 46(6), 2656-2664.
<https://pubmed.ncbi.nlm.nih.gov/33386910/>
115. Kanne JP, **Bai H**, Bernheim A, Chung M, Haramati LB, Kallmes DF, Little BP, Rubin GD, Sverzellati N (2021). COVID-19 Imaging: What We Know Now and What Remains Unknown. *Radiology*, 299(3), E262-E279.
<https://pubmed.ncbi.nlm.nih.gov/33560192/>
116. Eweje FR, Bao B, Wu J, Dalal D, Liao WH, He Y, Luo Y, Lu S, Zhang P, Peng X, Sebro R, **Bai HX**, States L (2021). Deep Learning for Classification of Bone Lesions on Routine MRI. *EBioMedicine*, 68(), 103402.
<https://pubmed.ncbi.nlm.nih.gov/34098339/>
117. Lin J, Bao B, Khurram NA, Halsey K, Choi JW, Wang L, Tran TML, Liao WH, Feldman MD, Zhang PJ, Wu J, **Bai HX** (2021). Chronic liver disease not a significant comorbid condition for COVID-19. *Scientific reports*, 11(1), 11734. <https://pubmed.ncbi.nlm.nih.gov/34083670/>
118. Snyder JM, Huang RY, **Bai H**, Rao VR, Cornes S, Barnholtz-Sloan JS, Gutman D, Fasano R, Van Meir EG, Brat D, Eschbacher J, Quackenbush J, Wen PY, Lee JW (2021). Analysis of morphological characteristics of IDH-mutant/wildtype brain tumors using whole-lesion phenotype analysis. *Neuro-oncology advances*, 3(1), vdab088.
<https://pubmed.ncbi.nlm.nih.gov/34409295/>
119. Wang R, Cai Y, Lee IK, Hu R, Purkayastha S, Pan I, Yi T, Tran TML, Lu S, Liu T, Chang K, Huang RY, Zhang PJ, Zhang Z, Xiao E, Wu J, **Bai HX** (2021). Evaluation of a convolutional neural network for ovarian tumor differentiation based on magnetic resonance imaging. *European radiology*, 31(7), 4960-4971.
<https://pubmed.ncbi.nlm.nih.gov/33052463/>
120. Purkayastha S, Xiao Y, Jiao Z, Thepumnoeysuk R, Halsey K, Wu J, Tran TML, Hsieh B, Choi JW, Wang D, Vallières M, Wang R, Collins S, Feng X, Feldman M, Zhang PJ, Atalay M, Sebro R, Yang L, Fan Y, Liao WH, **Bai HX** (2021). Machine Learning-Based Prediction of COVID-19 Severity and Progression to Critical Illness Using CT Imaging and Clinical Data. *Korean journal of radiology*, 22(7), 1213-1224.
<https://pubmed.ncbi.nlm.nih.gov/33739635/>
121. Tang L, Liu S, Xiao Y, Tran TML, Choi JW, Wu J, Halsey K, Huang RY, Boxerman J, Patel SH, Kung D, Liu R, Feldman MD, Danoski DD, Liao WH, Kasner SE, Liu T, Xiao B, Zhang PJ, Reznik M, **Bai HX**, Yang L (2021). Encephalopathy at admission predicts adverse outcomes in patients with SARS-CoV-2 infection. *CNS neuroscience & therapeutics*, 27(10), 1127-1135. <https://pubmed.ncbi.nlm.nih.gov/34132473/>
122. Wang R, Cai Y, Lee IK, Hu R, Purkayastha S, Pan I, Yi T, Tran TML, Lu S, Liu T, Chang K, Huang RY, Zhang PJ, Zhang Z, Xiao E, Wu J, **Bai HX** (2021). Correction to: Evaluation of a convolutional neural network for ovarian tumor differentiation based on magnetic resonance imaging. *European radiology*, 31(11), 8816.
<https://pubmed.ncbi.nlm.nih.gov/33900434/>
123. Kim M, Suh CH, Lee SM, Park JE, Kim HC, Kim SO, Aizer AA, Yanagihara TK, **Bai HX**, Guenette JP, Huang RY, Kim HS (2021). Development of Brain Metastases in Patients With Non-Small Cell Lung Cancer and No Brain Metastases at Initial Staging Evaluation: Cumulative Incidence and Risk Factor Analysis. *AJR. American journal of roentgenology*, 217(5), 1184-1193. <https://pubmed.ncbi.nlm.nih.gov/34037408/>
124. Li D, Hu R, Li H, Cai Y, Zhang PJ, Wu J, Zhu C, **Bai HX** (2021). Performance of automatic machine learning versus radiologists in the evaluation of endometrium on computed tomography. *Abdominal radiology (New York)*, 46(11), 5316-5324. <https://pubmed.ncbi.nlm.nih.gov/34286371/>
125. Peng J, Kim DD, Patel JB, Zeng X, Huang J, Chang K, Xun X, Zhang C, Sollee J, Wu J, Dalal DJ, Feng X, Zhou H, Zhu C, Zou B, Jin K, Wen PY, Boxerman JL, Warren KE, Poussaint TY, States LJ, Kalpathy-Cramer J, Yang L, Huang RY, **Bai HX** (2021). Corrigendum to: Deep learning-based automatic tumor burden assessment of pediatric high-grade gliomas, medulloblastomas, and other leptomeningeal seeding tumors. *Neuro-oncology*, 23(12), 2124.
<https://pubmed.ncbi.nlm.nih.gov/34551090/>

126. Yi T, Pan I, Collins S, Chen F, Cueto R, Hsieh B, Hsieh C, Smith JL, Yang L, Liao WH, Merck LH, **Bai H**, Merck D (2021). DICOM Image ANalysis and Archive (DIANA): an Open-Source System for Clinical AI Applications. *Journal of digital imaging*, 34(6), 1405-1413. <https://pubmed.ncbi.nlm.nih.gov/34727303/>
127. Wang R, Jiao Z, Yang L, Choi JW, Xiong Z, Halsey K, Tran TML, Pan I, Collins SA, Feng X, Wu J, Chang K, Shi LB, Yang S, Yu QZ, Liu J, Fu FX, Jiang XL, Wang DC, Zhu LP, Yi XP, Healey TT, Zeng QH, Liu T, Hu PF, Huang RY, Li YH, Sebro RA, Zhang P, Wang J, Atalay MK, Liao WH, Fan Y, **Bai HX** (2022). Artificial intelligence for prediction of COVID-19 progression using CT imaging and clinical data. *European radiology*, 32(1), 205-212. <https://pubmed.ncbi.nlm.nih.gov/34223954/>
128. Eweje FR, Byun S, Chandra R, Hu F, Kamel I, Zhang P, Jiao Z, **Bai HX** (2022). Translatability Analysis of National Institutes of Health-Funded Biomedical Research That Applies Artificial Intelligence. *JAMA network open*, 5(1), e2144742. <https://pubmed.ncbi.nlm.nih.gov/35072720/>
129. Kim CK, Choi JW, Jiao Z, Wang D, Wu J, Yi TY, Halsey KC, Eweje F, Tran TML, Liu C, Wang R, Sollee J, Hsieh C, Chang K, Yang FX, Singh R, Ou JL, Huang RY, Feng C, Feldman MD, Liu T, Gong JS, Lu S, Eickhoff C, Feng X, Kamel I, Sebro R, Atalay MK, Healey T, Fan Y, Liao WH, Wang J, **Bai HX** (2022). An automated COVID-19 triage pipeline using artificial intelligence based on chest radiographs and clinical data. *NPJ digital medicine*, 5(1), 5. <https://pubmed.ncbi.nlm.nih.gov/35031687/>
130. Peng J, Kim DD, Patel JB, Zeng X, Huang J, Chang K, Xun X, Zhang C, Sollee J, Wu J, Dalal DJ, Feng X, Zhou H, Zhu C, Zou B, Jin K, Wen PY, Boxerman JL, Warren KE, Poussaint TY, States LJ, Kalpathy-Cramer J, Yang L, Huang RY, **Bai HX** (2022). Deep learning-based automatic tumor burden assessment of pediatric high-grade gliomas, medulloblastomas, and other leptomeningeal seeding tumors. *Neuro-oncology*, 24(2), 289-299. <https://pubmed.ncbi.nlm.nih.gov/34174070/>
131. Thomasian NM, Kamel IR, **Bai HX** (2022). Machine intelligence in non-invasive endocrine cancer diagnostics. *Nature reviews. Endocrinology*, 18(2), 81-95. <https://pubmed.ncbi.nlm.nih.gov/34754064/>
132. Cheng J, Liu J, Yue H, **Bai H**, Pan Y, Wang J (2022). Prediction of Glioma Grade Using Intratumoral and Peritumoral Radiomic Features From Multiparametric MRI Images. *IEEE/ACM transactions on computational biology and bioinformatics*, 19(2), 1084-1095. <https://pubmed.ncbi.nlm.nih.gov/33104503/>
133. Sollee J, Tang L, Igriraneza AB, Xiao B, **Bai HX**, Yang L (2022). Artificial intelligence for medical image analysis in epilepsy. *Epilepsy research*, 182(), 106861. <https://pubmed.ncbi.nlm.nih.gov/35364483/>
134. Hu R, Li H, Horng H, Thomasian NM, Jiao Z, Zhu C, Zou B, **Bai HX** (2022). Automated machine learning for differentiation of hepatocellular carcinoma from intrahepatic cholangiocarcinoma on multiphasic MRI. *Scientific reports*, 12(1), 7924. <https://pubmed.ncbi.nlm.nih.gov/35562532/>
135. Cheng J, Sollee J, Hsieh C, Yue H, Vandal N, Shanahan J, Choi JW, Tran TML, Halsey K, Iheanacho F, Warren J, Ahmed A, Eickhoff C, Feldman M, Mortani Barbosa E Jr, Kamel I, Lin CT, Yi T, Healey T, Zhang P, Wu J, Atalay M, **Bai HX**, Jiao Z, Wang J (2022). COVID-19 mortality prediction in the intensive care unit with deep learning based on longitudinal chest X-rays and clinical data. *European radiology*, 32(7), 4446-4456. <https://pubmed.ncbi.nlm.nih.gov/35184218/>
136. Cheng J, Sollee J, Hsieh C, Yue H, Vandal N, Shanahan J, Choi JW, Tran TML, Halsey K, Iheanacho F, Warren J, Ahmed A, Eickhoff C, Feldman M, Barbosa EM Jr, Kamel I, Lin CT, Yi T, Healey T, Zhang P, Wu J, Atalay M, **Bai HX**, Jiao Z, Wang J (2022). Correction to: COVID-19 mortality prediction in the intensive care unit with deep learning based on longitudinal chest X-rays and clinical data. *European radiology*, 32(7), 5034. <https://pubmed.ncbi.nlm.nih.gov/35320415/>
137. Yue H, Liu J, Li J, Kuang H, Lang J, Cheng J, Peng L, Han Y, **Bai H**, Wang Y, Wang Q, Wang J (2022). MLDRL: Multi-loss disentangled representation learning for predicting esophageal cancer response to neoadjuvant chemoradiotherapy using longitudinal CT images. *Medical image analysis*, 79(), 102423. <https://pubmed.ncbi.nlm.nih.gov/35429696/>
138. Zhang Z, Tian C, **Bai HX**, Jiao Z, Tian X (2022). Discriminative error prediction network for semi-supervised colon gland segmentation. *Medical image analysis*, 79(), 102458. <https://pubmed.ncbi.nlm.nih.gov/35500497/>
139. Li J, Liu J, Yue H, Cheng J, Kuang H, **Bai H**, Wang Y, Wang J (2022). DARC: Deep adaptive regularized clustering for histopathological image classification. *Medical image analysis*, 80(), 102521. <https://pubmed.ncbi.nlm.nih.gov/35780594/>
140. Huang B, Sollee J, Luo YH, Reddy A, Zhong Z, Wu J, Mamarappallil J, Healey T, Cheng G, Azzoli C, Korogodsky D, Zhang P, Feng X, Li J, Yang L, Jiao Z, **Bai HX** (2022). Prediction of lung malignancy progression

- and survival with machine learning based on pre-treatment FDG-PET/CT. *EBioMedicine*, 82(), 104127. <https://pubmed.ncbi.nlm.nih.gov/35810561/>
141. Chapiro J, Allen B, Abajian A, Wood B, Kothary N, Daye D, **Bai H**, Sedrakyan A, Diamond M, Simonyan V, McLennan G, Abi-Jaoudeh N, Pua B (2022). Proceedings from the Society of Interventional Radiology Foundation Research Consensus Panel on Artificial Intelligence in Interventional Radiology: From Code to Bedside. *Journal of vascular and interventional radiology : JVIR*, 33(9), 1113-1120. <https://pubmed.ncbi.nlm.nih.gov/35871021/>
 142. Meng S, Tran TML, Hu M, Wang P, Yi T, Zhong Z, Wang L, Vogt B, Jiao Z, Barman A, Cetintemel U, Chang K, Nguyen DT, Hui FK, Pan I, Xiao B, Yang L, Zhou H, **Bai HX** (2022). End-to-end artificial intelligence platform for the management of large vessel occlusions: A preliminary study. *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*, 31(11), 106753. <https://pubmed.ncbi.nlm.nih.gov/36115105/>
 143. Yi X, Liu H, Zhu L, Wang D, Xie F, Shi L, Mei J, Jiang X, Zeng Q, Hu P, Li Y, Pang P, Liu J, Peng W, **Bai HX**, Liao W, Chen BT (2022). Myosteatosis predicting risk of transition to severe COVID-19 infection. *Clinical nutrition (Edinburgh, Scotland)*, 41(12), 3007-3015. <https://pubmed.ncbi.nlm.nih.gov/34147286/>
 144. Chen Z, Zhang H, Zhang PJZ, **Bai HX**, Li X (2023). Editorial: Advances of radiomics and artificial intelligence in the management of patients with central nervous system tumors. *Frontiers in oncology*, 13(), 1081301. <https://pubmed.ncbi.nlm.nih.gov/36741005/>
 145. Windsor GO, **Bai H**, Lourenco AP, Jiao Z (2023). Application of artificial intelligence in predicting lymph node metastasis in breast cancer. *Frontiers in radiology*, 3(), 928639. <https://pubmed.ncbi.nlm.nih.gov/37492388/>
 146. Su C, **Bai HX**, Christensen S (2023). Relative survival analysis in patients with stage I-II Merkel cell carcinoma treated with Mohs micrographic surgery or wide local excision. *Journal of the American Academy of Dermatology*, 88(3), e131-e132. <https://pubmed.ncbi.nlm.nih.gov/29787844/>
 147. Santhanam P, Nath T, Peng C, **Bai H**, Zhang H, Ahima RS, Chellappa R (2023). Artificial intelligence and body composition. *Diabetes & metabolic syndrome*, 17(3), 102732. <https://pubmed.ncbi.nlm.nih.gov/36867973/>
 148. Zhao LM, Zhang H, Kim DD, Ghimire K, Hu R, Kargilis DC, Tang L, Meng S, Chen Q, Liao WH, **Bai H**, Jiao Z, Feng X (2023). Head and neck tumor segmentation convolutional neural network robust to missing PET/CT modalities using channel dropout. *Physics in medicine and biology*, 68(9), . <https://pubmed.ncbi.nlm.nih.gov/37019119/>
 149. Kwak L, **Bai H** (2023). The Role of Federated Learning Models in Medical Imaging. *Radiology. Artificial intelligence*, 5(3), e230136. <https://pubmed.ncbi.nlm.nih.gov/37293343/>
 150. Yue H, Geng J, Gong L, Li Y, Windsor G, Liu J, Pu Y, Du Y, Wang R, Wu H, Jiao Z, **Bai H**, Jing B (2023). Radiation hematologic toxicity prediction for locally advanced rectal cancer using dosimetric and radiomics features. *Medical physics*, 50(8), 4993-5001. <https://pubmed.ncbi.nlm.nih.gov/36780152/>
 151. Li Y, Zou B, Dai P, Liao M, **Bai HX**, Jiao Z (2023). AC-E Network: Attentive Context-Enhanced Network for Liver Segmentation. *IEEE journal of biomedical and health informatics*, 27(8), 4052-4061. <https://pubmed.ncbi.nlm.nih.gov/37204947/>
 152. Feng C, Xiong Z, Sun X, Zhou H, Wang T, Wang Y, **Bai HX**, Lei P, Liao W (2023). Beyond antioxidation: Harnessing the CeO(2) nanoparticles as a renoprotective contrast agent for in vivo spectral CT angiography. *Biomaterials*, 299(), 122164. <https://pubmed.ncbi.nlm.nih.gov/37229807/>
 153. Khalsa JK, Cha J, Utro F, Naeem A, Murali I, Kuang Y, Vasquez K, Li L, Tyekucheva S, Fernandes SM, Veronese L, Guieze R, Sasi BK, Wang Z, Machado JH, **Bai H**, Alasfour M, Rhrissorakrai K, Levovitz C, Danysh BP, Slowik K, Jacobs RA, Davids MS, Paweletz CP, Leshchiner I, Parida L, Getz G, Brown JR (2023). Genetic events associated with venetoclax resistance in CLL identified by whole-exome sequencing of patient samples. *Blood*, 142(5), 421-433. <https://pubmed.ncbi.nlm.nih.gov/37146250/>
 154. Feng X, Ghimire K, Kim DD, Chandra RS, Zhang H, Peng J, Han B, Huang G, Chen Q, Patel S, Bettagowda C, Sair HI, Jones C, Jiao Z, Yang L, **Bai H** (2023). Brain Tumor Segmentation for Multi-Modal MRI with Missing Information. *Journal of digital imaging*, 36(5), 2075-2087. <https://pubmed.ncbi.nlm.nih.gov/37340197/>
 155. Zhou H, **Bai HX**, Jiao Z, Cui B, Wu J, Zheng H, Yang H, Liao W (2023). Deep learning-based radiomic nomogram to predict risk categorization of thymic epithelial tumors: A multicenter study. *European journal of radiology*, 168(), 111136. <https://pubmed.ncbi.nlm.nih.gov/37832194/>
 156. Hsieh C, Laguna A, Ikeda I, Maxwell AWP, Chapiro J, Nadolski G, Jiao Z, **Bai HX** (2023). Using Machine Learning to Predict Response to Image-guided Therapies for Hepatocellular Carcinoma. *Radiology*, 309(2), e222891. <https://pubmed.ncbi.nlm.nih.gov/37934098/>

157. Cheng D, Zhuo Z, Du J, Weng J, Zhang C, Duan Y, Sun T, Wu M, Guo M, Hua T, Jin Y, Peng B, Li Z, Zhu M, Imami M, Bettegowda C, Sair H, **Bai HX**, Barkhof F, Liu X, Liu Y (2024). A Fully Automated Deep-Learning Model for Predicting the Molecular Subtypes of Posterior Fossa Ependymomas Using T2-Weighted Images. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(1), 150-158. <https://pubmed.ncbi.nlm.nih.gov/37916978/>
158. Liu H, Ma Z, Wei L, Chen Z, Peng Y, Jiao Z, **Bai H**, Jing B (2024). A radiomics-based brain network in T1 images: construction, attributes, and applications. *Cerebral cortex (New York, N.Y. : 1991)*, 34(2), . <https://pubmed.ncbi.nlm.nih.gov/38300184/>
159. Mendiratta-Lala M, Aslam A, **Bai HX**, Chapiro J, De Baere T, Miyayama S, Chernyak V, Matsui O, Vilgrain V, Fidelman N (2024). Ethiodized oil as an imaging biomarker after conventional transarterial chemoembolization. *European radiology*, 34(5), 3284-3297. <https://pubmed.ncbi.nlm.nih.gov/37930412/>
160. Lancaster AC, Cardin ME, Nguyen JA, Mehta TI, Oncel D, **Bai HX**, Cohen KA, Lin CT (2024). Utilizing Deep Learning and Computed Tomography to Determine Pulmonary Nodule Activity in Patients With Nontuberculous Mycobacterial-Lung Disease. *Journal of thoracic imaging*, 39(3), 194-199. <https://pubmed.ncbi.nlm.nih.gov/38640144/>
161. Zhong Z, Li J, Kulkarni S, Zhang H, Fayad FH, Li Y, Collins S, **Bai H**, Ahn SH, Atalay MK, Gao X, Jiao Z (2024). De-Biased Disentanglement Learning for Pulmonary Embolism Survival Prediction on Multimodal Data. *IEEE journal of biomedical and health informatics*, 28(6), 3732-3741. <https://pubmed.ncbi.nlm.nih.gov/38568767/>
162. Zhao LM, Lancaster AC, Patel R, Zhang H, Duong TQ, Jiao Z, Lin CT, Healey T, Wright T, Wu J, **Bai HX** (2024). Association of clinical and imaging characteristics with pulmonary function testing in patients with Long-COVID. *Heliyon*, 10(11), e31751. <https://pubmed.ncbi.nlm.nih.gov/38845871/>
163. Li Y, Zhuo Z, Weng J, Haller S, **Bai HX**, Li B, Liu X, Zhu M, Wang Z, Li J, Qiu X, Liu Y (2024). A deep learning model for differentiating paediatric intracranial germ cell tumour subtypes and predicting survival with MRI: a multicentre prospective study. *BMC medicine*, 22(1), 375. <https://pubmed.ncbi.nlm.nih.gov/39256746/>
164. Kim DD, Chandra RS, Yang L, Wu J, Feng X, Atalay M, Bettegowda C, Jones C, Sair H, Liao WH, Zhu C, Zou B, Kazerooni AF, Nabavizadeh A, Jiao Z, Peng J, **Bai HX** (2024). Active Learning in Brain Tumor Segmentation with Uncertainty Sampling and Annotation Redundancy Restriction. *Journal of imaging informatics in medicine*, 37(5), 2099-2107. <https://pubmed.ncbi.nlm.nih.gov/38514595/>
165. Li Y, Imami MR, Zhao L, Amindarolzari A, Mena E, Leal J, Chen J, Gafita A, Voter AF, Li X, Du Y, Zhu C, Choyke PL, Zou B, Jiao Z, Rowe SP, Pomper MG, **Bai HX** (2024). An Automated Deep Learning-Based Framework for Uptake Segmentation and Classification on PSMA PET/CT Imaging of Patients with Prostate Cancer. *Journal of imaging informatics in medicine*, 37(5), 2206-2215. <https://pubmed.ncbi.nlm.nih.gov/38587770/>
166. Leary OP, Zhong Z, Bi L, Jiao Z, Dai YW, Ma K, Sayied S, Kargilis D, Imami M, Zhao LM, Feng X, Riccardello G, Collins S, Svokos K, Moghekar A, Yang L, **Bai H**, Klinge PM, Boxerman JL (2024). MRI-Based Prediction of Clinical Improvement after Ventricular Shunt Placement for Normal Pressure Hydrocephalus: Development and Evaluation of an Integrated Multisequence Machine Learning Algorithm. *AJNR. American journal of neuroradiology*, 45(10), 1536-1544. <https://pubmed.ncbi.nlm.nih.gov/38866432/>
167. Toruner MD, Wang Y, Jiao Z, **Bai H** (2024). Artificial intelligence in radiology: where are we going?. *EBioMedicine*, 109(), 105435. <https://pubmed.ncbi.nlm.nih.gov/39481206/>
168. Maertens A, Brykman S, Hartung T, Gafita A, **Bai H**, Hoelzer D, Skoudis E, Paller CJ (2024). Navigating the unseen peril: safeguarding medical imaging in the age of AI. *Frontiers in artificial intelligence*, 7(), 1400732. <https://pubmed.ncbi.nlm.nih.gov/39717840/>
169. Toruner MD, Shi V, Sollee J, Hsu WC, Yu G, Dai YW, Merlo C, Suresh K, Jiao Z, Wang X, Mao S, **Bai H** (2025). Artificial Intelligence-Driven Wireless Sensing for Health Management. *Bioengineering (Basel, Switzerland)*, 12(3), . <https://pubmed.ncbi.nlm.nih.gov/40150708/>
170. Liu T, Hu T, Lu W, Yu Y, Xue S, Wu K, Liu Y, Lin J, **Bai H**, Yun Z, Wang W (2025). Morphology and biomechanical index predict the rupture location and rupture risk of abdominal aortic aneurysm. *Scientific reports*, 15(1), 9604. <https://pubmed.ncbi.nlm.nih.gov/40113854/>
171. Zhong Z, Li J, Sollee J, Collins S, **Bai H**, Zhang P, Healey T, Atalay M, Gao X, Jiao Z (2025). Multi-Modality Regional Alignment Network for Covid X-Ray Survival Prediction and Report Generation. *IEEE journal of biomedical and health informatics*, 29(5), 3293-3303. <https://pubmed.ncbi.nlm.nih.gov/38905090/>
172. Rex NB, Chuck CC, Dandapani HG, Zhou HY, Yi TY, Collins SA, **Bai HX**, Eloyan A, Jones RN, Boxerman JL, Girard TD, Boukrina O, Reznik ME (2025). Neuroimaging Markers of Brain Reserve and Associations with

- Delirium in Patients with Intracerebral Hemorrhage. *Neurocritical care*, 42(3), 911-919.
<https://pubmed.ncbi.nlm.nih.gov/39562387/>
173. Tian X, Li HD, Lin H, Li C, Wang YP, **Bai HX**, Lan W, Liu J (2025). Inspired by pathogenic mechanisms: A novel gradual multi-modal fusion framework for mild cognitive impairment diagnosis. *Neural networks : the official journal of the International Neural Network Society*, 187(), 107343. <https://pubmed.ncbi.nlm.nih.gov/40081274/>
 174. Dai Y, Imami M, Hu R, Zhang C, Zhao L, Kargilis DC, Zhang H, Yu G, Liao WH, Jiao Z, Zhu C, Yang L, **Bai HX** (2025). Prediction of Motor Symptom Progression of Parkinson's Disease Through Multimodal Imaging-Based Machine Learning. *Journal of imaging informatics in medicine*, (), . <https://pubmed.ncbi.nlm.nih.gov/40624388/>
 175. Zhong Z, Wang Y, Wu J, Hsu WC, Somasundaram V, Bi L, Kulkarni S, Ma Z, Collins S, Baird G, Ahn SH, Feng X, Kamel I, Lin CT, Greineder C, Atalay M, Jiao Z, **Bai H** (2025). Vision-language model for report generation and outcome prediction in CT pulmonary angiogram. *NPJ digital medicine*, 8(1), 432.
<https://pubmed.ncbi.nlm.nih.gov/40652098/>
 176. Hsu WC, Wang Y, Wu YF, Chen R, Afyouni S, Liu J, Vin S, Shi V, Imami M, Chotiyanonta JS, Zandieh G, Cai Y, Leal JP, Oishi K, Zaheer A, Ward RC, Zhang PJJ, Wu J, Jiao Z, Kamel IR, Lin G, **Bai HX** (2025). MRI-based Ovarian Lesion Classification via a Foundation Segmentation Model and Multimodal Analysis: A Multicenter Study. *Radiology*, 316(2), e243412. <https://pubmed.ncbi.nlm.nih.gov/40762846/>
 177. Wang Y, Shi V, Hsu WC, Dai Y, Yao S, Zhong Z, Zhang Z, Wu J, Maxwell A, Collins S, Jiao Z, **Bai HX** (2025). Optimizing prompt strategies for SAM: advancing lesion segmentation across diverse medical imaging modalities. *Physics in medicine and biology*, 70(17), . <https://pubmed.ncbi.nlm.nih.gov/40816315/>
 178. Yang F, Hu R, Hu J, Zhao L, Zhang Y, Mao Y, Tang J, Li S, He J, Chen R, Guo J, Zhang W, Zhu L, Jiao X, Liu S, Luo G, Zhou H, Fang X, Zheng H, Li L, Han Z, Jiao Z, **Bai HX**, Li J, Liao W (2025). Automated deep learning-assisted early detection of radiation-induced temporal lobe injury on MRI: a multicenter retrospective analysis. *European radiology*, 35(9), 5239-5251. <https://pubmed.ncbi.nlm.nih.gov/40050455/>
 179. Zhong Z, Zhang H, Fayad FH, Lancaster AC, Sollee J, Kulkarni S, Lin CT, Li J, Gao X, Collins S, Greineder CF, Ahn SH, **Bai HX**, Jiao Z, Atalay MK (2025). Pulmonary Embolism Survival Prediction Using Multimodal Learning Based on Computed Tomography Angiography and Clinical Data. *Journal of thoracic imaging*, 40(5), .
<https://pubmed.ncbi.nlm.nih.gov/40200808/>
 180. Nguyen DT, Imami M, Zhao LM, Wu J, Borhani A, Mohseni A, Khunte M, Zhong Z, Shi V, Yao S, Wang Y, Loizou N, Silva AC, Zhang PJ, Zhang Z, Jiao Z, Kamel I, Liao WH, **Bai H** (2025). Federated Learning for Renal Tumor Segmentation and Classification on Multi-Center MRI Dataset. *Journal of magnetic resonance imaging : JMRI*, 62(3), 814-824. <https://pubmed.ncbi.nlm.nih.gov/40384349/>
 181. Dai Y, Zhong Z, Qin Y, Wang Y, Yu G, Kobets A, Swenson DW, Boxerman JL, Li G, Robinson S, **Bai H**, Yang L, Liao W, Jiao Z (2025). AI Model Integrating Imaging and Clinical Data for Predicting CSF Diversion in Neonatal Hydrocephalus: A Preliminary Study. *Human brain mapping*, 46(14), e70363.
<https://pubmed.ncbi.nlm.nih.gov/40985603/>
 182. Zhong Z, Wang Y, Bi L, Ma Z, Ahn SH, Mullin CJ, Greineder CF, Atalay MK, Collins S, Baird GL, Lin CT, Stayman JW, Kolb TM, Kamel I, **Bai HX**, Jiao Z (2026). Abn-BLIP: Abnormality-aligned Bootstrapping Language-Image Pre-training for pulmonary embolism diagnosis and report generation from CTPA. *Medical image analysis*, 107(Pt A), 103786. <https://pubmed.ncbi.nlm.nih.gov/40945174/>
 183. Zhao L, Imami MR, Wang Y, Mao Y, Hsu WC, Chen R, Mena E, Li Y, Tang J, Wu J, Voter AF, Amindarolzari A, Kargilis D, Afyouni S, Gafita A, Chen J, Chin BB, Leal JP, Du Y, Lin G, Jiao Z, Choyke PL, Rowe SP, Pomper MG, Liao W, **Bai HX** (2026). Artificial intelligence-based lesion characterization and outcome prediction of prostate cancer on [(18)F]DCFPyL PSMA imaging. *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*, 214(), 111265. <https://pubmed.ncbi.nlm.nih.gov/41202884/>
 184. Chen J, Wei S, Liu Y, Bian Z, He Y, Carass A, **Bai H**, Du Y (2026). Unsupervised learning of spatially varying regularization for diffeomorphic image registration. *Medical image analysis*, 108(), 103887.
<https://pubmed.ncbi.nlm.nih.gov/41317547/>

Non-Peer-Reviewed Publications

Book Chapters

1. **Bai HX**, Trerotola SO. Advances in treatment and management in surgical endocrinology. Chapter 17: Adrenal vein sampling. 2020; 187-198.

Scientific Presentations and Exhibits (add City, State, Country so clear if national or international)

1. Li Y, Zou B, Dai Y, Zhu C, Yang F, Li X, **Bai HX**, Jiao Z. "Parameter-free latent space transformer for zero-shot bidirectional cross-modality liver segmentation." MICCAI 2022: Medical Image Computing and Computer Assisted Intervention; Singapore
2. Wang Y, Hsu W, Shi V, Lin G, Lin C, Feng X, **Bai HX**. "Car-Dcros: a dataset and benchmark for enhancing cardiovascular artery segmentation through disconnected components repair and open curve snake." MICCAI 2024: Medical Image Computing and Computer Assisted Intervention; Marrakesh, Morocco
3. Liu K, Ma Z, Kang X, Zhong Z, Jiao J, Baird, G, **Bai HX**, Miao Q. "Structural entities extraction and patient indications incorporation for chest x-ray report generation." MICCAI 2024: Medical Image Computing and Computer Assisted Intervention; Marrakesh, Morocco
4. Wang Y, Peng J, Dai Y, Jones C, Sair H, Shen J, Loizou N, Wu J, Hsu W, Imami M, Jiao Z, Zhang P, **Bai HX**. "Enhancing vision-language models for medical imaging: bridging the 3D gap with innovative slice selection." NeurIPS 2024: Advances in Neural Information Processing Systems; Vancouver, British Columbia, Canada
4. Guan H, Dai Y, Afyouni S, Kain A, Hsu W, Cheng J, Yao S, Wang Y, Wu J, Pulakhandam R, Zhao L, Zhu C, Jiao Z, Jones C, **Bai HX**. "Enhancing radiology report interpretation through modality-specific RadGraph fine-tuning." MICCAI 2025: Medical Image Computing and Computer Assisted Intervention; Daejeon, Republic of Korea