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工作经历

北京大学口腔医（学）院 博士后，助理研究员

2025.07 ~ 至今

• 合作教师: 徐明明 主任医师

• 研究方向: 口腔医学人工智能、医疗大数据平台建设

教育背景

清华大学 生物医学工程 工学博士

2020.09 ~ 2025.06

• 指导教师: 张宗久 首席研究员

• 研究方向: 生物医学成像与图像处理、医学人工智能、医疗大数据、大模型在医学中的应用

北京交通大学 电子科学与技术 工学学士

2016.09 ~ 2020.06

学术兼职

Health Care Science 青年编委

2025.07 ~ 至今

科研成果

[1] Zhangyuan Yu#, **Chenlin Du**#, Hongrui Liang, Xiuqi Zheng, Zeyao Ma, Mingjun Wu, Mingwu Ao, Qicheng Lao. Endoscopic Artifact Inpainting for Improved Endoscopic Image Segmentation[C]//International Conference on Medical Image Computing and Computer-Assisted Intervention. Cham: Springer Nature Switzerland, 2025. (EI, CCF-B)

[2] Haozhong Sun, Zhongsen Li, **Chenlin Du**, Haokun Li, Yajie Wang, Huijun Chen. Guiding Quantitative MRI Reconstruction with Phase-wise Uncertainty[C]//International Conference on Medical Image Computing and Computer-Assisted Intervention. Cham: Springer Nature Switzerland, 2025. (EI, CCF-B)

[3] **Chenlin Du**#, Pei Peng#, Xiaodong Guo, Yunshu Wu, Zeyu Zhang, Linke Hao, Zongjiu Zhang*, Jingyu Xiong*. Combined static and dynamic computer-guided surgery for prosthetically driven zygomatic implant placement[J]. Journal of Dentistry, 2025, 152: 105453. (SCI, IF=5.5)

[4] **Chenlin Du**#, Zeyu Zhang#, Baoqin Liu#, Zijian Cao, Nan Jiang*, Zongjiu Zhang*. Explainable machine learning model for pre frailty risk assessment in community dwelling older adults[J]. Health Care Science, 2024. (ESCI, IF=3.3)

[5] **Chenlin Du**#, Xiaoxuan Chen#, Jingyi Wang, Junjie Wang, Zhongsen Li, Zongjiu Zhang*, Qicheng Lao*. Prompting vision-language models for dental notation aware abnormality detection[C]//International Conference on Medical Image Computing and Computer-Assisted Intervention. Cham: Springer Nature Switzerland, 2024: 687-697. (EI, CCF-B)

[6] **Chenlin Du**, Zihan Ning, Huiyu Qiao, et al. Accuracy of characterizing carotid vulnerable atherosclerotic plaque by 3D MR vessel wall imaging: A histological validation study[C]// Proceedings of International Society for Magnetic Resonance in Medicine. 2022



[7] Jiachen Liu, Zihan Ning, **Chenlin Du**, Shuo Chen, Tao Wang, Jingli Cao, Ran Huo, Dongye Li, Dandan Yang, Rui Shen, Shuwan Yu, Chunjiang Hu, Shuhao Wang, Huiyu Qiao, Xihai Zhao. Histological Validation of 3D Variable Flip Angle TSE Multi-Contrast Magnetic Resonance Vessel Wall Imaging in Characterizing Carotid Vulnerable Atherosclerotic Plaques[J]. Journal of Cardiovascular Magnetic Resonance. 2024 Oct 21:101112. (SCI, IF=6.1)

[8] Jun Gao, Qicheng Lao, Qingbo Kang, Paul Liu, **Chenlin Du**, Kang Li, Le Zhang. Boosting Your Context by Dual Similarity Checkup for In-Context Learning Medical Image Segmentation[J]. IEEE Transactions on Medical Imaging. 2024 Aug 8;PP. Epub ahead of print. (SCI, IF=9.8)

[9] Huilin He, Xinyu Tong, Zihan Ning, Jiaxin Zhou, **Chenlin Du**, Yuhua Wang, Qian Wang, Dong Xu, Xiaofeng Zeng, Zuo-Xiang He, and Xihai Zhao, Diffusing capacity of lungs for carbon monoxide associated with subclinical myocardial impairment in systemic sclerosis: A cardiac MR study[J]. RMD open, 2023, 9(4): e003391. (SCI, IF=4.7)

[10] Yike Sun, Anruo Shen, **Chenlin Du**, Xiaogang Chen, Yijun Wang, Weihua Pei, Xiaorong Gao. A Real-Time Non-Implantation Bi-Directional Brain-Computer Interface Solution without Stimulation Artifacts[J]. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023;31:3566-3575. (SCI, IF=5.2)

[9] Yike Sun, Anruo Shen, Jingnan Sun, **Chenlin Du**, Xiaogang Chen, Yijun Wang, Weihua Pei, Xiaorong Gao. Minimally Invasive Local-Skull Electrophysiological Modification With Piezoelectric Drill[J]. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30: 2042-2051. (SCI, IF=5.2)

[11] Rui Shen, Xinyu Tong, Dongye Li, Zihan Ning, Hualu Han, Yongjun Han, Dandan Yang, **Chenlin Du**, Tao Wang, Jingli Cao, Yilan Xu, Ran Huo, Huiyu Qiao, Xihai Zhao. Slice-based and time-specific hemodynamic measurements discriminate carotid artery vulnerable atherosclerotic plaques[J]. Computer Methods and Programs in Biomedicine, 2022, 225: 107050. (SCI, IF=4.8)

[12] Xinyu Tong, Huilin He, Zihan Ning, Rui Shen, **Chenlin Du**, Xiaofeng Zeng, Qian Wang, Zuo-Xiang He, Dong Xu, Xihai Zhao. Characterization of kidneys in patients with systemic sclerosis by multi-parametric magnetic resonance quantitative imaging[J]. Magnetic Resonance Imaging, 2024, 109: 203-210. (SCI, IF=2.0)

■ 荣誉奖项

• 2024 年清华大学综合优秀二等奖学金	2024.11
• 北京交通大学优秀毕业生	2020.06
• 2019 年北京交通大学三好学生	2019.09
• 2019 年北京交通大学二等学习优秀奖学金	2019.09
• 2018 年北京交通大学三好学生	2018.09
• 2018 年北京交通大学二等学习优秀奖学金	2018.09