

## **Radiology:**

### **-COVID-19 Hemiencephalitis: A Unique Manifestation**

Wan Wang, Shaohua Yin

Radiology Volume 310, Issue 1 Jan 2 2024

<https://doi.org/10.1148/radiol.231716>

### **-Maple Syrup Urine Disease**

Binglin Lai, Jianping Zhong

Radiology Volume 310, Issue 1 Jan 9 2024

<https://doi.org/10.1148/radiol.232039>

## **Radiographics:**

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Írline Cordeiro de Macedo Pontes, Diogo Guilherme Leão Edelmuth, Stephanie Takara, Eduardo Noda Kihara Filho, Leandro Tavares Lucato, Paulo Victor Partezani Helito, Peter G. Kranz

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**-Neuromuscular imaging in clinical practice: an ESNR survey of 30 centers**

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Raghav R. Mattay, Kisoo Kim, Lubdha Shah, Bhavya Shah, Leo Sugrue, Fatima Safoora, Eugene Ozhinsky and Kazim H. Narsinh

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<https://doi.org/10.3174/ajnr.A8038>

**-The Pediatric Neuroradiologist's Practical Guide to Capture and Evaluate Pre- and Postoperative Velopharyngeal Insufficiency**

Michael S. Kuwabara, Thomas J. Sitzman, Kathryn A. Szymanski, Jamie L. Perry, Jeffrey H. Miller and Patricia Cornejo American Journal of Neuroradiology January 2024, 45 (1) 9-15; DOI: <https://doi.org/10.3174/ajnr.A8055>

**-Correlation of Flow Diverter Malapposition at the Aneurysm Neck with Incomplete Aneurysm Occlusion in Patients with Small Intracranial Aneurysms: A Single-Center Experience**

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American Journal of Neuroradiology January 2024, 45 (1) 16-21; DOI: <https://doi.org/10.3174/ajnr.A8079>

**-Ischemic Stroke Thrombus Perviousness Is Associated with Distinguishable Proteomic Features and Susceptibility to ADAMTS13-Augmented Thrombolysis**

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American Journal of Neuroradiology January 2024, 45 (1) 22-29; DOI: <https://doi.org/10.3174/ajnr.A8069>

**-Determinants and Clinical Relevance of Iodine Contrast Extravasation after Endovascular Thrombectomy: A Dual-Energy CT Study**

Clémence Hoche, Alba Henderson, Héloïse Ifergan, Marie Gaudron, Christophe Magni, Igor Maldonado, Jean-Philippe Cottier, Marco Pasi, Grégoire Boulouis and Clara Cohen

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**-Assessing Perfusion in Steno-Occlusive Cerebrovascular Disease Using Transient Hypoxia-Induced Deoxyhemoglobin as a Dynamic Susceptibility Contrast Agent**

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American Journal of Neuroradiology January 2024, 45 (1) 37-43; DOI: <https://doi.org/10.3174/ajnr.A8068>

**-The Choroid Plexus as an Alternative Locus for the Identification of the Arterial Input Function for Calculating Cerebral Perfusion Metrics Using MRI**

Olivia Sobczyk, Ece Su Sayin, Julien Poublanc, James Duffin, Andrea Para, Joseph A. Fisher and David J. Mikulis

American Journal of Neuroradiology January 2024, 45 (1) 44-50; DOI: <https://doi.org/10.3174/ajnr.A8099>

**-CTA and CTP for Detecting Distal Medium Vessel Occlusions: A Systematic Review and Meta-analysis**

João André Sousa, Anton Sondermann, Sara Bernardo-Castro, Ricardo Varela, Helena Donato and João Sargento-Freitas

American Journal of Neuroradiology January 2024, 45 (1) 51-56; DOI:

<https://doi.org/10.3174/ajnr.A8080>

**-Disconnection-Based Prediction of Poststroke Dysphagia** Kyung Jae Yoon, Chul-Hyun Park, Myung-Ho Rho and Minchul Kim

American Journal of Neuroradiology January 2024, 45 (1) 57-65; DOI:

<https://doi.org/10.3174/ajnr.A8074>

**-Glymphatic System Dysfunction in Myelin Oligodendrocyte Glycoprotein Immunoglobulin G Antibody-Associated Disorders: Association with Clinical Disability** Akifumi Hagiwara, Yuji Tomizawa, Yasunobu Hoshino, Kazumasa Yokoyama, Koji Kamagata, Towa Sekine, Kaito Takabayashi, Moto Nakaya, Tomoko Maekawa, Toshiaki Akashi, Akihiko Wada, Toshiaki Taoka, Shinji Naganawa, Nobutaka Hattori and Shigeki Aoki

American Journal of Neuroradiology January 2024, 45 (1) 66-71; DOI:

<https://doi.org/10.3174/ajnr.A8066>

**-Prevalence of Developmental Venous Anomalies in Association with Sporadic Cavernous Malformations on 7T MRI** Petrice M. Cogswell, Jay J. Pillai, Giuseppe Lanzino and Kelly D. Flemming

American Journal of Neuroradiology January 2024, 45 (1) 72-75; DOI:

<https://doi.org/10.3174/ajnr.A8072>

**-Central Vein Sign in Multiple Sclerosis: A Comparison Study of the Diagnostic Performance of 3T versus 7T MRI**

Lela Okromelidze, Vishal Patel, Rahul B. Singh, Alfonso S. Lopez Chiriboga, Shengzhen Tao, Xiangzhi Zhou, Sina Straub, Erin M. Westerhold, Vivek Gupta, Amit K. Agarwal, John V. Murray, Amit Desai, S.J.S. Sandhu, I. Vanessa Marin Collazo and Erik H. Middlebrooks

American Journal of Neuroradiology January 2024, 45 (1) 76-81; DOI:

<https://doi.org/10.3174/ajnr.A8083>

**-Cortical Thin Patch Fraction Reflects Disease Burden in MS: The Mosaic Approach** Marlene Tahedl, Tun Wiltgen, Cui Ci Voon, Achim Berthele, Jan S. Kirschke, Bernhard Hemmer, Mark Mühlau, Claus Zimmer and Benedikt Wiestler

American Journal of Neuroradiology January 2024, 45 (1) 82-89; DOI:

<https://doi.org/10.3174/ajnr.A8064>

**-Delayed Gadolinium Leakage in Ocular Structures on Brain MR Imaging: Prevalence and Associated Factors** Richard Olatunji, Timothy Reynold Lim, Blair Jones, Monica Tafur, Shobhit Mathur, Amy W. Lin, Aditya Bharatha and Suradech Suthiphosuwat

American Journal of Neuroradiology January 2024, 45 (1) 90-95; DOI:

<https://doi.org/10.3174/ajnr.A8073>

**-Application of a Denoising High-Resolution Deep Convolutional Neural Network to Improve Conspicuity of CSF-Venous Fistulas on Photon-Counting CT Myelography**

Ajay A. Madhavan, Jeremy K. Cutsforth-Gregory, Waleed Brinjikji, John C. Benson, Felix E. Diehn, Ian T. Mark, Jared T. Verdoorn, Zhongxing Zhou and Lifeng Yu

American Journal of Neuroradiology January 2024, 45 (1) 96-99; DOI:

<https://doi.org/10.3174/ajnr.A8097>

**-Temporal Characteristics of CSF-Venous Fistulas on Dynamic Decubitus CT Myelography: A Retrospective Multi-Institution Cohort Study**

Andrew L. Callen, Mo Fakhri, Vincent M. Timpone, Ashesh A. Thaker, William P. Dillon and Vinil N. Shah  
American Journal of Neuroradiology January 2024, 45 (1) 100-104; DOI:

<https://doi.org/10.3174/ajnr.A8078>

“This retrospective multi-institution cohort study analyzed the temporal features of CSF-venous fistula (CVF) visualization on dynamic decubitus CT myelography (dCTM) in 48 patients. The results showed that most CVFs were visible on first or subsequent phases of dCTM, but approximately 1 in 8 were only visible on either the early or delayed phase. The authors conclude that acquiring greater than 1 phase of imaging increases the sensitivity of dCTM by increasing its temporal resolution.”

**-Lateral Decubitus Dynamic CT Myelography with Real-Time Bolus Tracking (dCTM-BT) for Evaluation of CSF-Venous Fistulas: Diagnostic Yield Stratified by Brain**

**Imaging Findings** Thien J. Huynh, Donna Parizadeh, Ahmed K. Ahmed, Christopher T. Gandia, Hal C. Davison, John V. Murray, Ian T. Mark, Ajay A. Madhavan, Darya Shlapak, Todd D. Rozen, Waleed Brinjikji, Prasanna Vibhute, Vivek Gupta, Kacie Brewer and Olga Fermo  
American Journal of Neuroradiology January 2024, 45 (1) 105-112; DOI:

<https://doi.org/10.3174/ajnr.A8082>

**-Prevalence of Incidental Extraplural Findings on MR Imaging of the Lumbar Spine in Adults: A Systematic Review and Meta-analysis**

Philip J. Broadhurst, Eileen Gibbons, Amy E. Knowles and Joe E. Copson  
American Journal of Neuroradiology January 2024, 45 (1) 113-118; DOI:

<https://doi.org/10.3174/ajnr.A8065>

**-Frequency of Coexistent Spinal Segment Variants: Retrospective Analysis in Asymptomatic Young Adults**

Edward S. Yoon, Farhad Pishgar, Avneesh Chhabra, Filippo Del Grande and John A. Carrino

American Journal of Neuroradiology January 2024, 45 (1) 119-126; DOI:

<https://doi.org/10.3174/ajnr.A8071>

**-Response to Letter Regarding the Article “Automated Segmentation of Intracranial Thrombus on NCCT and CTA in Patients with Acute Ischemic Stroke Using a Coarse-to-Fine Deep Learning Model”**

Kairan Zhu, B.K. Menon and W. Qiu

American Journal of Neuroradiology January 2024, 45 (1) E1; DOI:

<https://doi.org/10.3174/ajnr.A8075>

**-Introducing AJNR SCANtastic and the AJNR Academy of Reviewers**

Max Wintermark  
American Journal of Neuroradiology December 2023, 44 (12) 1357; DOI:

<https://doi.org/10.3174/ajnr.A8043>

**-Monoclonal Antibodies: What the Diagnostic Neuroradiologist Needs to Know**

R. Alsufayan, C. Hess and T. Krings  
American Journal of Neuroradiology December 2023, 44 (12) 1358-1366; DOI: <https://doi.org/10.3174/ajnr.A7974>

**-Prevalence and Characteristics of Intracranial Aneurysms in Hereditary Hemorrhagic Telangiectasia**

How-Chung Cheng, Marie E. Faughnan, Karel G. terBrugge, Hon-Man Liu, Timo Krings and the Brain Vascular Malformation Consortium Hereditary Hemorrhagic Telangiectasia Investigator Group American Journal of Neuroradiology December 2023, 44 (12) 1367-1372; DOI: <https://doi.org/10.3174/ajnr.A8058>

**-Predicting Antiseizure Medication Treatment in Children with Rare Tuberos Sclerosis Complex-Related Epilepsy Using Deep Learning**

Haifeng Wang, Zhanqi Hu, Dian Jiang, Rongbo Lin, Cailei Zhao, Xia Zhao, Yihang Zhou, Yanjie Zhu, Hongwu Zeng, Dong Liang, Jianxiang Liao and Zhicheng Li American Journal of Neuroradiology December 2023, 44 (12) 1373-1383; DOI: <https://doi.org/10.3174/ajnr.A8053>

**-Brain Age Estimation on a Dementia Cohort Using FLAIR MRI Biomarkers**

Owen Crystal, Pejman J. Maralani, Sandra Black, Corinne Fischer, Alan R. Moody and April Khademi American Journal of Neuroradiology December 2023, 44 (12) 1384-1390; DOI: <https://doi.org/10.3174/ajnr.A8059>

**-Deep Learning-Based Synthetic TOF-MRA Generation Using Time-Resolved MRA in Fast Stroke Imaging**

Sung-Hye You, Yongwon Cho, Byungjun Kim, Kyung-Sook Yang, InSeong Kim, Bo Kyu Kim, Arim Pak and Sang Eun Park American Journal of Neuroradiology December 2023, 44 (12) 1391-1398; DOI: <https://doi.org/10.3174/ajnr.A8063>

**-Quantification of Thalamic Atrophy in MS: From the Multicenter Italian Neuroimaging Network Initiative Data Set to Clinical Application**

Loredana Storelli, Elisabetta Pagani, Patrizia Pantano, Antonio Gallo, Nicola De Stefano, Maria A. Rocca, Massimo Filippi and for the INNI Network American Journal of Neuroradiology December 2023, 44 (12) 1399-1404; DOI: <https://doi.org/10.3174/ajnr.A8050>

**-Brain Abnormalities in Becker Muscular Dystrophy: Evaluation by Voxel-Based DTI and Morphometric Analysis**

Hiroyuki Maki, Madoka Mori-Yoshimura, Hiroshi Matsuda, Yasumasa Hashimoto, Miho Ota, Yukio Kimura, Yoko Shigemoto, Naoko Ishihara, Hirohito Kan, Emiko Chiba, Elly Arizono, Sumiko Yoshida, Yuji Takahashi and Noriko Sato American Journal of Neuroradiology December 2023, 44 (12) 1405-1410; DOI: <https://doi.org/10.3174/ajnr.A8041>

**-Comparison of Quantitative Hippocampal Volumes and Structured Scoring Scales in Predicting Alzheimer Disease Diagnosis**

Michael Essien, James Lah, Brent D. Weinberg, Jason W. Allen and Ranliang Hu American Journal of Neuroradiology December 2023, 44 (12) 1411-1417; DOI: <https://doi.org/10.3174/ajnr.A8049>

**-Cervical Osteomyelitis and Diskitis as a Complication of Neopharyngeal Breakdown: A Multisite Case Series Review**

Alok A. Bhatt, Prasanna Vibhute, Xin Cynthia Wu, Edward J. Escott, Charlotte Chung and Patricia A. Rhyner American Journal of Neuroradiology December 2023, 44 (12) 1418-1420; DOI: <https://doi.org/10.3174/ajnr.A8042>

**-CT of the Larynx: Is an Additional High-Resolution Acquisition Necessary for Diagnostic Accuracy?**

Eva Chau, Katie S. Traylor and Barton F. Branstetter  
American Journal of Neuroradiology December 2023, 44 (12) 1421-1424; DOI: <https://doi.org/10.3174/ajnr.A8048>

**-Diagnostic Value of Multiparameter MRI-Based Radiomics in Pediatric Myelin Oligodendrocyte Glycoprotein Antibody-Associated Disorders**

Ting Li, Xin Chen, Yang Jing, Haoru Wang, Ting Zhang, Li Zhang, Hao Ding, Mingye Xie and Ling He American Journal of Neuroradiology December 2023, 44 (12) 1425-1431; DOI: <https://doi.org/10.3174/ajnr.A8045>

**-Automatic Quantification of Normal Brain Gyrfication Patterns and Changes in Fetuses with Polymicrogyria and Lissencephaly Based on MRI**

Bossmat Yehuda, Aviad Rabinowich, Daphna Link-Sourani, Netanell Avisdris, Ori Ben-Zvi, Bella Specktor-Fadida, Leo Joskowicz, Liat Ben-Sira, Elka Miller and Dafna Ben Bashat American Journal of Neuroradiology December 2023, 44 (12) 1432-1439; DOI: <https://doi.org/10.3174/ajnr.A8046>

**-Fetal Brain Growth in the Early Second Trimester**

Maria Camila Cortes-Albornoz, Camilo Calixto, M. Alejandra Bedoya, Ryne A. Didier, Judy A. Estroff and Camilo Jaimes  
American Journal of Neuroradiology December 2023, 44 (12) 1440-1444; DOI: <https://doi.org/10.3174/ajnr.A8051>

**-Diagnostic Performance of Decubitus Photon-Counting Detector CT Myelography for the Detection of CSF-Venous Fistulas**

Ajay A. Madhavan, Jeremy K. Cutsforth-Gregory, Waleed Brinjikji, Girish Bathla, John C. Benson, Felix E. Diehn, Laurence J. Eckel, Ian T. Mark, Pearse P. Morris, Melissa A. Payne, Jared T. Verdoorn, Nikkole M. Weber, Lifeng Yu, Francis Baffour, Joel G. Fletcher and Cynthia H. McCollough American Journal of Neuroradiology December 2023, 44 (12) 1445-1450; DOI: <https://doi.org/10.3174/ajnr.A8040>

**-T1-Weighted, Dynamic Contrast-Enhanced MR Perfusion Imaging Can Differentiate between Treatment Success and Failure in Spine Metastases Undergoing Radiation Therapy**

Mark Behar, Kyung K. Peck, Onur Yildirim, Jamie Tisnado, Atin Saha, Julio Arevalo-Perez, Eric Lis, Yoshiya Yamada, Andrei I. Holodny and Sasan Karimi  
American Journal of Neuroradiology December 2023, 44 (12) 1451-1457; DOI: <https://doi.org/10.3174/ajnr.A8057>

**-Accuracy of Noncontrast T2 SPACE in Active MS Cord Lesion Detection**

Anousheh Sayah, Elias Khayat, Earn-Chun C. Lee and Erini V. Makariou

American Journal of Neuroradiology December 2023, 44 (12) 1458-1463; DOI:  
<https://doi.org/10.3174/ajnr.A8060>

**-Automated Determination of the H3 K27-Altered Status in Spinal Cord Diffuse Midline Glioma by Radiomics Based on T2-Weighted MR Images**

Junjie Li, Yongzhi Wang, Jinyuan Weng, Liying Qu, Minghao Wu, Min Guo, Jun Sun, Geli Hu, Xiaodong Gong, Xing Liu, Yunyun Duan, Zhizheng Zhuo, Wenqing Jia and Yaou Liu  
American Journal of Neuroradiology December 2023, 44 (12) 1464-1470; DOI:  
<https://doi.org/10.3174/ajnr.A8056>

**-"Best of" ASNR 2023 (Chicago) and "Sneak Peek" of ASNR 2024 (Las Vegas)**

Paul M. Bunch, Birgit B. Ertl-Wagner, Wende N. Gibbs, Steven Lev and Michael H. Lev  
American Journal of Neuroradiology December 2023, 44 (12) E46-E51; DOI:  
<https://doi.org/10.3174/ajnr.A8061>

**-Robert D. Zimmerman, MD**

E. Russell, with contributions from Drs. V. Mathews, J. Tsiouris, C. Wood and T Naidich  
American Journal of Neuroradiology December 2023, 44 (12) E52-E53; DOI:  
<https://doi.org/10.3174/ajnr.A8054>

**Radiologia medica:**

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**-Time-to-event overall survival prediction in glioblastoma multiforme patients using magnetic resonance imaging radiomics**

Ghasem HajianfarAtlas Haddadi AvvalHabib Zaidi  
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**-Impact of radiation dose on patient-reported acute taste alteration in a prospective observational study cohort in head and neck squamous cell cancer (HNSCC)**

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**-Transarterial Embolization of Anterior Cranial Fossa Dural AVFs as a First-Line Approach: A Single-Center Study**

Carl A. J. Puylaert, René van den Berg, Bert A. Coert and Bart J. Emmer American  
Journal of Neuroradiology January 2024, DOI: <https://doi.org/10.3174/ajnr.A8092>

**-Clinical and Imaging Findings in Children with Myelin Oligodendrocyte Glycoprotein Antibody Associated Disease (MOGAD): From Presentation to Relapse**

Elizabeth George, Jeffrey B. Russ, Alexandria Validighi, Heather Early, Mark D. Mamlouk, Orit A. Glenn, Carla M. Francisco, Emmanuelle Waubant, Camilla Lindan and Yi Li  
American Journal of Neuroradiology January 2024, DOI:  
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**-Artificial Intelligence in the Future Landscape of Pediatric Neuroradiology: Opportunities and Challenges**

Aashim Bhatia, Farzad Khalvati and Birgit Betina Ertl-Wagner American Journal of Neuroradiology January 2024, DOI: <https://doi.org/10.3174/ajnr.A8086>

**-Comparison of HASTE versus EPI-Based DWI for Retinoblastoma and Correlation with Prognostic Histopathologic Parameters**

Manish Sharma, Amit Gupta, Manisha Jana, Seema Kashyap, Sameer Bakhshi and Sanjay Sharma American Journal of Neuroradiology January 2024, DOI: <https://doi.org/10.3174/ajnr.A8084>

**-Discrimination of Hemorrhage and Contrast Media in a Head Phantom on Photon-Counting Detector CT Data**

Franka Risch, Ansgar Berlis, Thomas Kroencke, Florian Schwarz and Christoph J. Maurer American Journal of Neuroradiology December 2023, DOI: <https://doi.org/10.3174/ajnr.A8093>

**-Intraluminal Flow Diverter Design Primer for Neurointerventionalists**

Alexander A. Oliver, Yigit Can Senol, Cem Bilgin, Jeremy E. Schaffer, Ramanathan Kadirvel, David F. Kallmes and John M. Wainwright American Journal of Neuroradiology December 2023, DOI: <https://doi.org/10.3174/ajnr.A8076>

**-Recommended Resting-State fMRI Acquisition and Preprocessing Steps for Preoperative Mapping of Language and Motor and Visual Areas in Adult and Pediatric Patients with Brain Tumors and Epilepsy**

V.A. Kumar, J. Lee, H.-L. Liu, J.W. Allen, C.G. Filippi, A.I. Holodny, K. Hsu, R. Jain, M.P. McAndrews, K.K. Peck, G. Shah, J.S. Shimony, S. Singh, M. Zeineh, J. Tanabe, B. Vachha, A. Vossough, K. Welker, C. Whitlow, M. Wintermark, G. Zaharchuk and H.I. Sair American Journal of Neuroradiology December 2023, DOI: <https://doi.org/10.3174/ajnr.A8067>

**-Understanding Bias in Artificial Intelligence: A Practice Perspective**

Melissa A. Davis, Ona Wu, Ichiro Ikuta, John E. Jordan, Michele H. Johnson and Edward Quigley American Journal of Neuroradiology December 2023, DOI: <https://doi.org/10.3174/ajnr.A8070>

## **European Radiology:**

**-Machine learning model to preoperatively predict T2/T3 staging of laryngeal and hypopharyngeal cancer based on the CT radiomic signature**

Qianhan LiuShengdan LiuGuangxiang Chen

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**-Olfactory cleft stenosis and obstruction on paranasal sinus CT scan in pre-septo-rhinoplasty patients: normal variants or pathologic findings?**

Sara ImbsBaptiste DeyrailRomain Gillet

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**-Reproducibility and accuracy of vessel wall MRI in diagnosing giant cell arteritis: a study with readers of varying expertise**

Jérôme El HaddadFrédérique CharbonneauAugustin Lecler  
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**-Normal cohorts in automated brain atrophy estimation: how many healthy subjects to include?**

Christian RubbertLuisa Wolfffor the Alzheimer's Disease Neuroimaging Initiative  
Neuro Open access 08 January 2024

**-Effect of computed tomography vs. computed tomography perfusion on mechanical thrombectomy outcomes within 6 hours**

Yingjian PeiYuping ChenZhikai Chen  
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**-Comparison of diffusion tensor imaging (DTI) tissue characterization parameters in white matter tracts of patients with multiple sclerosis (MS) and neuromyelitis optica spectrum disorder (NMOSD)**

Xiaoya ChenNeil RobertsYongmei Li ; Neuro 04 January 2024

**-Gadolinium-enhanced intracranial aneurysm wall imaging and risk of aneurysm growth and rupture: a multicentre longitudinal cohort study**

Laura T. van der KampMyriam EdjlaliMervyn D. I. Vergouwen  
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**-White matter hyperintensities in cholinergic pathways correlates of cognitive impairment in moyamoya disease**

Duo XuXinfeng YuMinming Zhang  
Neuro 13 December 2023

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Michael Schecht and Amish Doshi

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