

Stanford



Carl Gold

- Clinical Associate Professor, Adult Neurology
- Clinical Associate Professor (By courtesy), Neurosurgery

CLINICAL OFFICE (PRIMARY)

- **Stanford Hospital**

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Bio

BIO

Dr. Gold is a board-certified neurologist who is fellowship-trained in the diagnosis and treatment of neurological disorders in hospitalized patients. He cares for a broad range of patients, including individuals with seizures, central nervous system infections, autoimmune diseases, headaches, neuromuscular conditions, and neurological complications of cancer.

Dr. Gold serves as Vice Chair of Quality, Safety, & Experience for the Department of Neurology & Neurological Sciences. In this role, he coordinates projects aimed at improving care for patients with neurological conditions across the health system. He also serves as Medical Director of Service Excellence for Stanford Health Care.

For more information on the Stanford Neurohospitalist Program & Fellowship, please visit: <https://med.stanford.edu/neurology/divisions/neurohospitalist.html>

Learn more about the Stanford Neurology Communication Coaching Program by visiting: <http://med.stanford.edu/neurology/education/resident-coaching.html>

Additional information on Stanford Neurology's efforts in Quality, Safety, & Value can be found here: <http://med.stanford.edu/neurology/quality.html>

CLINICAL FOCUS

- Neurology
- Neurohospitalist

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Adult Neurology
- Clinical Associate Professor (By courtesy), Neurosurgery

ADMINISTRATIVE APPOINTMENTS

- Medical Director of Service Excellence, Stanford Health Care Patient Experience, (2024- present)

- Vice Chair of Quality, Safety, & Experience, Stanford Department of Neurology & Neurological Sciences, (2022- present)
- Member, Neurohospitalist Society Board of Directors, (2021- present)
- Director, Stanford Neurology Residency Communication Coaching Program, (2019-2024)
- Program Director, Stanford Neurohospitalist Fellowship Program, (2018-2024)
- Chair, Stanford Neurology Quality Council, (2017- present)
- Physician Improvement Leader, Improvement Capability Development Program, Stanford Department of Neurology, (2017- present)
- Chair, Neurohospitalist Section of the American Academy of Neurology, (2017-2021)
- Member, Stanford Quality, Patient Safety, & Effectiveness Committee (QPSEC), (2016- present)
- Member, Stanford Neurology Professional Practice Evaluation Committee, (2016- present)
- Member, Stanford L5 MD-RN Unit Council, (2016- present)

HONORS AND AWARDS

- Outstanding Leadership and Service Award, Neurohospitalist Society (2024)
- Excellence in Quality and Safety Award, Stanford Medical Staff (2021)
- Relationship-Centered Communication Leader Award, Stanford Health Care (2019)
- Neurology Medical Student Clerkship Teaching Award, Stanford Department of Neurology (2018)
- Neurology Medical Student Clerkship Teaching Award, Stanford Department of Neurology (2017)
- Lysia Forno Award for Excellence in Teaching Neurology Residents, Stanford Department of Neurology (2017)
- Rathmann Family Foundation Medical Education Fellowship in Patient-Centered Care, Stanford School of Medicine (2017-2018)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Neurohospitalist Society (2014 - present)
- Member, American Academy of Neurology (2009 - present)

PROFESSIONAL EDUCATION

- Fellowship, University of California, San Francisco , Neurohospitalist Fellowship (2016)
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2015)
- Residency, New York-Presbyterian Hospital, Columbia University Medical Center , Neurology (2015)
- Internship, New York-Presbyterian Hospital, Columbia University Medical Center , Medicine (2012)
- Medical Education: Rutgers Robert Wood Johnson Medical School (2011) NJ
- MS, Georgetown University , Physiology (2006)
- AB, Princeton University , Psychology (2005)

LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Publications

PUBLICATIONS

- **Neurohospitalist Core Competencies.** *The Neurohospitalist*
Wold, J. J., Robertson, J., Jeevarajan, J. A., Knox, M. G., Thatikunta, P., Solorzano, G. E., Galetta, K., Dujari, S., Goyal, T., Ehrlich, M. E., Donnelly, J. P., Marriott, E., Mandge, et al
2024: 19418744241297187

- **Impact of a coaching program on resident perceptions of communication confidence and feedback quality.** *BMC medical education*
Gold, C. A., Jensen, R., Sasnal, M., Day, H. S., Miller-Kuhlmann, R. K., Blankenburg, R. L., Rassbach, C. E., Morris, A. M., Korndorffer, J. R., Nassar, A. K.
2024; 24 (1): 435
- **Outcomes of a Neurohospitalist Program at an Academic Medical Center.** *The Neurohospitalist*
Gold, C. A., Scott, B. J., Weng, Y., Bernier, E., Kvam, K. A.
2022; 12 (3): 453-462
- **Quality Improvement Metrics and Methods for Neurohospitalists.** *Neurologic clinics*
Kvam, K. A., Bernier, E., Gold, C. A.
2022; 40 (1): 211-230
- **Education Research: A novel resident-driven neurology quality improvement curriculum.** *Neurology*
Miller-Kuhlmann, R., Kraler, L., Bozinov, N., Frolov, A., Mlynash, M., Gold, C. A., Kvam, K. A.
2020; 94 (3): 137-42
- **A Novel Approach to Care Redesign Collaboration Between Emergency and Specialty Departments: Qualitative Experience Report.** *JMIR formative research*
Harris, S. R., Rose, C., Kling, S. M., Cohen, B. A., Goldberg, O., Walton, H., Veruttipong, D., Alhadha, M., Laurence, S. K., Ravi, S., Gold, C. A., Shaw, J. G., Yang, et al
2025; 9: e22028
- **Towards a Novel Patient Experience Survey System: Incorporating Physician Perspectives into Performance Feedback Dashboard Design.** *Journal of patient experience*
Vilendrer, S., Bragdon, C., Miller-Kuhlmann, R. K., Vora, N., Gold, C. A., Winget, M.
2025; 12: 23743735251341724
- **Implementation and evaluation of a communication coaching program: a CFIR-Informed qualitative analysis mapped onto a logic model.** *BMC medical education*
Jensen, R. M., Sasnal, M., Mai, U. T., Korndorffer, J. R., Miller-Kuhlmann, R. K., Morris, A. M., Nassar, A. K., Gold, C. A.
2025; 25 (1): 613
- **Streamlining Email Communications: Practical Wellbeing Support in a Digital World**
Miller-Kuhlmann, R., Ng, S., Hoyte, E., Goyal, N., Gold, C.
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Tips for developing a coaching program in medical education.** *Medical education online*
Miller-Kuhlmann, R., Sasnal, M., Gold, C. A., Nassar, A. K., Korndorffer, J. R., Van Schaik, S., Marmor, A., Williams, S., Blankenburg, R., Rassbach, C. E.
2024; 29 (1): 2289262
- **Strategies to foster stakeholder engagement in residency coaching: a CFIR-Informed qualitative study across diverse stakeholder groups.** *Medical education online*
Sasnal, M., Jensen, R. M., Mai, U. T., Gold, C. A., Nassar, A. K., Korndorffer, J. R., Morris, A. M., Miller-Kuhlmann, R. K.
2024; 29 (1): 2407656
- **Neurohospitalist Core Competencies: Development and Methodology.** *The Neurohospitalist*
Gold, C. A., Klein, J. P., Richie, M. B., Morris, J. G., Wold, J. J.
2024: 19418744241296908
- **"Neurohospitalist Core Competencies: Development and Methodology"** *NEUROHOSPITALIST*
Gold, C. A., Klein, J. P., Richie, M. B., Morris, J. G., Wold, J. J.
2024
- **Education Research: Educational Outcomes Associated With the Introduction of a Neurohospitalist Program.** *Neurology. Education*
Dujari, S., Scott, B. J., Gold, C. A., Weng, Y., Kvam, K. A.
2024; 3 (2): e200131
- **Education Research: Sustained Implementation of Quality Improvement Practices Is Observed in Early Career Physicians Following a Neurology Resident QI Curriculum.** *Neurology. Education*

- Xiong, K., Miller-Kuhlmann, R. K., Scott, B. J., He, Z., Dujari, S., Gold, C., Kvam, K.
2024; 3 (2): e200137
- **Inpatient Neurology Deaths and Factors Associated With Discharge to Hospice.** *The Neurohospitalist*
Dujari, S., Wei, J., Kraler, L., Goyal, T., Bernier, E., Schwartz, N., Hirsch, K., Gold, C. A.
2023; 13 (4): 337-344
 - **Cerebral Perfusion Imaging and Plateau Waves.** *Stroke*
Slawski, D., Lyman, K. A., Thatikunta, P., Gold, C. A., Albers, G. W.
2023
 - **An Electronic Health Record Intervention to Limit Viral Testing of Cerebrospinal Fluid.** *The Neurohospitalist*
Lyman, K. A., Madill, E., Thatikunta, P., Threlkeld, Z. D., Banaei, N., Gold, C. A.
2023; 13 (2): 173-177
 - **A Novel Serious Illness Communication Curriculum Improves Neurology Residents' Confidence and Skills.** *Journal of palliative medicine*
Goyal, T., Merrell, S. B., Weimer-Elder, B., Kline, M., Rassbach, C. E., Gold, C. A.
2023
 - **Physician Perceptions of Performance Feedback and Impact on Personal Well-Being: A Qualitative Exploration of Patient Satisfaction Feedback in Neurology.** *Joint Commission journal on quality and patient safety*
Vilendrer, S., Levoy, E., Miller-Kuhlmann, R., Amano, A., Brown-Johnson, C., De Borja, L., Luu, J. H., Sakamuri, S., Gold, C. A.
2022
 - **A rare neuromyelitis optica mimic: Primary CNS histiocytic sarcoma.** *Multiple sclerosis (Houndmills, Basingstoke, England)*
Rogawski, D. S., Nirschl, J. J., McDonald, J., Nie, E., Schwartz, N. U., Vogel, H., Scott, B. J., Gold, C. A., Kipp, L. B.
2022; 28 (10): 1651-1654
 - **Developing a multi-departmental residency communication coaching program.** *Education for health (Abingdon, England)*
Nassar, A. K., Sasnal, M., Miller-Kuhlmann, R. K., Jensen, R. M., Blankenburg, R. L., Rassbach, C. E., Smith-Bentley, M., Vyas, A., Korndorffer, J. R., Gold, C. A.
2022; 35 (3): 98-104
 - **Primary central nervous system histiocytic sarcoma presenting as neuromyelitis optica**
Nirschl, J., Rogawski, D., McDonald, J., Nie, E., Schwartz, N., Scott, B., Gratzinger, D., Gold, C., Kipp, L., Vogel, H.
OXFORD UNIV PRESS INC.2022: 491
 - **Patient and Clinician Perspectives of New and Return Ambulatory Teleneurology Visits.** *Neurology. Clinical practice*
Kling, S. M., Falco-Walter, J. J., Saliba-Gustafsson, E. A., Garvert, D. W., Brown-Johnson, C. G., Miller-Kuhlmann, R., Shaw, J. G., Asch, S. M., Yang, L., Gold, C. A., Winget, M.
1800; 11 (6): 472-483
 - **Neurohospitalist Practice and Well-Being During the COVID-19 Pandemic.** *The Neurohospitalist*
Goyal, T., Probasco, J. C., Gold, C. A., Klein, J. P., Weathered, N. R., Thakur, K. T.
2021; 11 (4): 333-341
 - **Detection of Neoplasms by Metagenomic Next-Generation Sequencing of Cerebrospinal Fluid.** *JAMA neurology*
Gu, W., Rauschecker, A. M., Hsu, E., Zorn, K. C., Sucu, Y., Federman, S., Gopez, A., Arevalo, S., Sample, H. A., Talevich, E., Nguyen, E. D., Gottschall, M., Nourbakhsh, et al
2021
 - **Impact of a relationship-centered care communication curriculum on pediatric residents' practice, perspectives, and opportunities to develop expertise.** *Patient education and counseling*
Selling, S. K., Kirkey, D., Goyal, T., Singh, A., Gold, C. A., Hilgenberg, S. L., Weimer-Elder, B., Kuo, K. W., Rassbach, C. E.
2021
 - **Evaluation of Patient and Clinician Perspectives for New and Return Ambulatory Teleneurology Visits, with special attention to subspecialty differences**
Falco-Walter, J., Kling, S., Saliba-Gustafsson, E., Yang, L., Miller-Kuhlmann, R., Garvert, D., Brown-Johnson, C., Shaw, J., Asch, S., Winget, M., Gold, C.
LIPPINCOTT WILLIAMS & WILKINS.2021

- **Resident-driven strategies to improve the educational experience of teleneurology**
Ng, J., Chen, J., Liu, M., Yang, L., Miller-Kuhlmann, R., Falco-Walter, J., Gold, C.
LIPPINCOTT WILLIAMS & WILKINS.2021
- **Administration of Dexamethasone for Bacterial Meningitis: An Unreliable Quality Measure.** *The Neurohospitalist*
Dujari, S., Gummidipundi, S., He, Z., Gold, C. A.
2021; 11 (2): 101-106
- **Feasibility and acceptability of virtually coaching residents on communication skills: a pilot study.** *BMC medical education*
Sasnal, M., Miller-Kuhlmann, R., Merrell, S. B., Beres, S., Kipp, L., Lee, S., Threlkeld, Z., Nassar, A. K., Gold, C. A.
2021; 21 (1): 513
- **Opinion and Special Articles: Competency in serious illness communication for neurology residents.** *Neurology*
Goyal, T., Robinson, M. T., Gold, C. A.
2020
- **Accelerated launch of video visits in ambulatory neurology during COVID-19: Key lessons from the Stanford experience.** *Neurology*
Yang, L., Brown-Johnson, C. G., Miller-Kuhlmann, R., Kling, S. M., Saliba-Gustafsson, E. A., Shaw, J. G., Gold, C. A., Winget, M.
2020
- **Benchmarking Performance on Administration of Dexamethasone for Bacterial Meningitis**
Dujari, S., Gummidipundi, S., He, Z., Gold, C.
LIPPINCOTT WILLIAMS & WILKINS.2020
- **A Novel Goals of Care Communication Curriculum for Neurology Residents Improves Confidence and Skills**
Goyal, T., Merrell, S., Weimer-Elder, B., Kline, M., Gold, C.
LIPPINCOTT WILLIAMS & WILKINS.2020
- **A Standardized Checklist Improves the Transfer of Stroke Patients from the Neurocritical Care Unit to Hospital Ward.** *The Neurohospitalist*
Murray, N. M., Joshi, A. N., Kronfeld, K., Hobbs, K., Bernier, E., Hirsch, K. G., Gold, C. A.
2020; 10 (2): 100-108
- **A Standardized Checklist Improves the Transfer of Stroke Patients from the Neurocritical Care Unit to Hospital Ward** *NEUROHOSPITALIST*
Murray, N. M., Joshi, A. N., Kronfeld, K., Hobbs, K., Bernier, E., Hirsch, K. G., Gold, C. A.
2020; 10 (2): 100–108
- **Eponyms are here to stay: Usage in the literature and among current neurology trainees.** *Neurology*
Zheng, J. n., Gold, C. A.
2020
- **Utilization, yield, and accuracy of the FilmArray Meningitis/Encephalitis panel with diagnostic stewardship and testing algorithm.** *Journal of clinical microbiology*
Broadhurst, M. J., Dujari, S. n., Budvytiene, I. n., Pinsky, B. A., Gold, C. A., Banaei, N. n.
2020
- **Rapid implementation of video visits in neurology during COVID-19: a mixed methods evaluation.** *Journal of medical Internet research*
Saliba-Gustafsson, E. A., Miller-Kuhlmann, R. n., Kling, S. M., Garvert, D. W., Brown-Johnson, C. G., Lestoquoy, A. S., Verano, M. R., Yang, L. n., Falco-Walter, J. n., Shaw, J. G., Asch, S. M., Gold, C. A., Winget, et al
2020
- **National Variability in Prion Disease-Related Safety Policies for Neurologic Procedures.** *The Neurohospitalist*
Werbaneth, K., Tummalapalli, P., Gold, C. A.
2019; 9 (4): 222–25
- **Infected Implantable Pulse Generator** *NEUROHOSPITALIST*
Dujari, S., Gold, C. A.
2019; 9 (3): 172–73
- **Plateau waves of intracranial pressure mimicking seizure in a patient with fungal meningitis**
Wu, T., Sadat-Hossieny, Z., Gold, C.

LIPPINCOTT WILLIAMS & WILKINS.2019

- **Author response: Video NeuroImages: Paraneoplastic spinal myoclonus associated with Caspr2 antibodies.** *Neurology*
Hines, H., Murray, N. M., Ahmad, S., Jaradeh, S., Gold, C. A.
2019; 92 (6): 303
- **Coexistence of Neuromyelitis Optica and Amyotrophic Lateral Sclerosis: A Case Report** *NEUROHOSPITALIST*
Li, A., McGranahan, T., Su, E., Kipp, L., Gold, C. A.
2019; 9 (1): 37–40
- **Education Research: Understanding barriers to goals of care communication for neurology trainees.** *Neurology*
Goyal, T. n., Hasty, B. N., Berekenyei Merrell, S. n., Gold, C. A.
2019; 93 (8): 362–66
- **Expanding Access to Magnetic Resonance Imaging for Patients With Cardiac Rhythm Devices** *JAMA NEUROLOGY*
Culbertson, C. J., Gold, C. A.
2018; 75 (10): 1173–74
- **Expanding Access to Magnetic Resonance Imaging for Patients With Cardiac Rhythm Devices.** *JAMA neurology*
Culbertson, C. J., Gold, C. A.
2018
- **Variability of Safety Policies Related to Prion Disease Among Top Neurological Institutions**
Werbaneth, K., Tummalapalli, P., Kraler, L., Gold, C.
LIPPINCOTT WILLIAMS & WILKINS.2018
- **A Quality Improvement Curriculum for Neurology Residents**
Miller-Kuhlmann, R., Kraler, L., Bozinov, N., Frolov, A., Mlynash, M., Gold, C., Kvam, K.
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Video NeuroImages: Paraneoplastic spinal myoclonus associated with Caspr2 antibodies.** *Neurology*
Hines, H., Murray, N. M., Ahmad, S., Jaradeh, S., Gold, C. A.
2018; 90 (14): 660–61
- **Young Man With Paraparesis.** *Annals of emergency medicine*
Rider, E. n., Gold, C. A.
2018; 72 (3): e19–e20
- **Teaching NeuroImages: Myeloperoxidase-anti-neutrophil cytoplasmic antibody-positive hypertrophic pachymeningitis.** *Neurology*
Culbertson, C. J., Lummus, S. C., Gold, C. A.
2017; 89 (21): e253
- **Electrographic Correlates of Plateau Waves in Patients With Leptomeningeal Metastases.** *The Neurohospitalist*
Gold, C. A., Odom, N., Srinivasan, S., Schaff, L., Haggiagi, A., Odia, Y.
2016; 6 (4): 161-166
- **Anticipating the Challenges of Zika Virus and the Incidence of Guillain-Barré Syndrome.** *JAMA neurology*
Gold, C. A., Josephson, S. A.
2016
- **Unplanned Transfers from Hospital Wards to the Neurological Intensive Care Unit** *NEUROCRITICAL CARE*
Gold, C. A., Mayer, S. A., Lennihan, L., Claassen, J., Willey, J. Z.
2015; 23 (2): 159-165
- **Opsoclonus-myoclonus syndrome in a patient with an anaplastic oligastrocytoma** *JOURNAL OF NEURO-ONCOLOGY*
Gold, C. A., Lassman, A. B., Odia, Y.
2015; 123 (2): 315-316
- **New-onset seizures in two adults with hemophagocytic lymphohistiocytosis** *JOURNAL OF NEUROLOGY*
Gold, C. A., Sheth, S. J., Agarwal, S., Claassen, J., Foreman, B.

2015; 262 (4): 1063-1065

- **Patient page. Driving after a stroke.** *Neurology*
Karceski, S., Gold, C. A.
2011; 76 (8): e35-8
- **Discrimination and reliance on conceptual fluency cues are inversely related in patients with mild Alzheimer's disease** *NEUROPSYCHOLOGIA*
Wolk, D. A., Gold, C. A., Signoff, E. D., Budson, A. E.
2009; 47 (8-9): 1865-1872
- **An evaluation of recollection and familiarity in Alzheimer's disease and mild cognitive impairment using receiver operating characteristics** *BRAIN AND COGNITION*
Ally, B. A., Gold, C. A., Budson, A. E.
2009; 69 (3): 504-513
- **The picture superiority effect in patients with Alzheimer's disease and mild cognitive impairment** *NEUROPSYCHOLOGIA*
Ally, B., Gold, C. A., Budson, A. E.
2009; 47 (2): 595-598
- **Memory loss in Alzheimer's disease: implications for development of therapeutics.** *Expert review of neurotherapeutics*
Gold, C. A., Budson, A. E.
2008; 8 (12): 1879-1891
- **Conceptual fluency at test shifts recognition response bias in Alzheimer's disease: Implications for increased false recognition** *NEUROPSYCHOLOGIA*
Gold, C. A., Marchant, N. L., Koutstaal, W., Schacter, D. L., Budson, A. E.
2007; 45 (12): 2791-2801