



## Natalie Htet

Clinical Assistant Professor, Emergency Medicine

### CLINICAL OFFICE (PRIMARY)

- **Stanford Dept of Emergency Medicine**

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### Bio

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#### BIO

Dr. Htet is a board-certified physician in Emergency Medicine and Critical Care Medicine. She earned her undergraduate degrees in Biochemistry and Neuroscience from the University of California, Los Angeles (UCLA), followed by a master's degree in Physiological Science at UCLA. She obtained her M.D. from the University of Wisconsin School of Medicine and Public Health, before completing her Emergency Medicine residency at Advocate Christ Medical Center and Critical Care fellowship at Stanford.

Dr. Htet practices in both the Emergency Department and Medical Intensive Care Unit at Stanford and serves as ACGME faculty for residency and fellowship education. She is deeply engaged in teaching, mentoring, and coaching trainees. As co-director of the Critical Care Ultrasound Program for critical care fellows, she is dedicated to advancing ultrasound education. Having completed the CCEeXAM® Examination of Special Competence in Critical Care Echocardiography, she is on the path to certification in Critical Care Echocardiography through the National Board of Echocardiography, Inc.

She is actively involved in the Society of Critical Care Medicine (SCCM) and national emergency medicine organizations. She is the chair of programming subcommittee of research section at SCCM. Her research focuses on improving the care of critically ill patients, encompassing health system strategies for boarding, genetic phenotyping in septic shock, optimizing intubation conditions for metabolic acidosis, and advancing critical care ultrasound. Her career aspiration includes integrating artificial intelligence to enhance ultrasound diagnostics with the care of critically ill patients.

#### CLINICAL FOCUS

- Critical Care
- Medical Education
- Patient education
- Palliative Care
- Critical Care Medicine

## ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Emergency Medicine

## HONORS AND AWARDS

- Emergency Medicine Foundation Grant, Advocate Christ Medical Center (2015)
- Emergency Medicine Foundation Grant, Advocate Christ Medical Center (2014)
- Don Bruechert Medical Scholarship, University of Wisconsin School of Medicine and Public Health (2012)
- Student Leadership and Service Book Award, University of Wisconsin School of Medicine and Public Health (2011)
- Shapiro Research Award, University of Wisconsin School of Medicine and Public Health (2010)

## BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Society of Academic Emergency Medicine, Critical Care Group and ADIEM (Academy for Diversity & Inclusion in Emergency Medicine) (2022 - present)
- Member, Society of Critical Care Medicine, Ultrasound Committee, Emergency Medicine (2018 - present)
- Member, American Thoracic Society (2017 - present)
- Member, American College of Emergency Physicians (2013 - present)

## PROFESSIONAL EDUCATION

- Board Certification: Critical Care Medicine, American Board of Internal Medicine (2019)
- Fellowship: Stanford University Pulmonary and Critical Care Fellowship (2018) CA
- Board Certification: Emergency Medicine, American Board of Emergency Medicine (2017)
- Residency: Advocate Christ Medical Center (2016) IL
- Medical Education: University of Wisconsin Madison Office of the Registrar (2013) WI
- M.D., University of Wisconsin School of Medicine and Public Health, Medicine (2013)
- Residency, Advocate Christ Medical Center, Emergency Medicine (2016)
- Fellowship, Stanford Medicine Critical Care Fellowship, Critical Care Medicine (2018)

## COMMUNITY AND INTERNATIONAL WORK

- MEDiC (Student-Run Free Medical Clinics), Madison

## Research & Scholarship

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### RESEARCH INTERESTS

- Curriculum and Instruction
- Secondary Education

### CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research focuses on advancing the care of critically ill patients in the Emergency Department, spanning from health system improvements in boarding critically ill patients to genetic phenotyping in septic shock, optimizing intubation for patients with metabolic acidosis, and critical care ultrasound. I am actively involved in medical education for graduate medical education and exploring the integration of AI to enhance ultrasound diagnostics.

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## Teaching

### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Critical Care Medicine (Fellowship Program)

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## Publications

### PUBLICATIONS

- **INTUBATION AND CARDIOVASCULAR COLLAPSE IN TRAUMA PATIENTS: A MULTI-CENTER STUDY**  
Friedman, J., Hwang, H., Htet, N., Walker, J., Lavin, C., Jafari, D., Acquisto, N., Tran, Q.  
LIPPINCOTT WILLIAMS & WILKINS.2026
- **The authors respond to reader comment regarding [Outcomes of boarding critically ill patients in U.S. EDs: A systematic review and meta-analysis].** *The American journal of emergency medicine*  
Htet, N. N., Walker, J. A., Jafari, D., Rech, M. A., Hintze, T., Tran, Q. K.  
2026
- **Early Warning Score Performance at Time of Admission in the Prediction of Future Organ Support Needs.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*  
Chiacchia, S. R., Levin, N. M., Mishra, A., Deng, Y., Gordon, A. J., Htet, N., Hedlin, H., Wilson, J. G.  
2025
- **Outcomes of boarding critically ill patients in U.S. EDs: A systematic review and meta-analysis.** *The American journal of emergency medicine*  
Htet, N. N., Walker, J. A., Jafari, D., Rech, M. A., Hintze, T., Moran, M., Bai, J., Dinh, K., Essaihi, A., Wilairat, S., Huddleson, B., Tran, Q. K.  
2025; 99: 339-347
- **Impact of Longitudinal Pulmonary Ultrasound Curriculum in a Multi-disciplinary Critical Care Fellowship.** *Cureus*  
Chiacchia, S., D'souza, M., Madhok, J., Htet, N.  
2025; 17 (8): e89447
- **ED observation unit-based delayed comfort care pathway for ED patients on life support.** *The American journal of emergency medicine*  
Sun, J., D'Souza, M., Losak, M., Htet, N., Miles-Threatt, C., Mitarai, T.  
2025; 90: 93-97
- **RETHINKING REVERSAL: THE UNDERAPPRECIATED RISK OF THROMBOTIC COMPLICATIONS AFTER ANDEXANET ALFA USE**  
Hall, N., Walker, R., Htet, N.  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **CHOOSE YOUR OWN RESUSCITATION: A PILOT OF TABLETOP SIMULATION FOR CRITICAL CARE EDUCATION**  
Sun, J., Htet, N., Rider, A.  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **OUTCOMES OF BOARDING CRITICALLY ILL PATIENTS IN US EDs: A SYSTEMATIC REVIEW AND META-ANALYSIS**  
Htet, N., Jafari, D., Walker, J., Hintze, T., Rech, M., Moran, M., Bai, J., Essaihi, A., Dinh, K., Wilairat, S., Huddleson, B., Tran, Q.  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **DELAYED COMFORT CARE IN AN ED OBSERVATION UNIT**  
Sun, J., D'Souza, M., Losak, M., Htet, N., Mitarai, T.  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **The Roller Coaster of Lamotrigine Levels: Successful Treatment of Massive Lamotrigine Overdose With Continuous Venovenous Hemodiafiltration and Rifampin** *CUREUS JOURNAL OF MEDICAL SCIENCE*  
Li, Y., Ang, H. S., Fatehi, P., Htet, N.  
2024; 16 (7)
- **The Roller Coaster of Lamotrigine Levels: Successful Treatment of Massive Lamotrigine Overdose With Continuous Venovenous Hemodiafiltration and Rifampin.** *Cureus*  
Li, Y., Ang, H. S., Fatehi, P., Htet, N.

2024; 16 (7): e65637

- **Cardiovascular collapse and McConnell's sign as early manifestations of leucostasis.** *BMJ case reports*  
Rozenbaum, D., Lebold, K. M., Lee, D., Salmi, D., Htet, N. N.  
2024; 17 (2)
- **THE ROLLER COASTER LEVELS: A SUCCESSFUL TREATMENT OF MASSIVE LAMOTRIGINE OVERDOSE**  
Li, Y., Htet, N.  
LIPPINCOTT WILLIAMS & WILKINS.2024
- **THE ROLLER COASTER LEVELS: A SUCCESSFUL TREATMENT OF MASSIVE LAMOTRIGINE OVERDOSE**  
Li, Y., Htet, N.  
LIPPINCOTT WILLIAMS & WILKINS.2024: S438
- **Trend of Outcome Metrics in Recent Out-of-Hospital-Cardiac-Arrest Research: A Narrative Review of Clinical Trials.** *Journal of clinical medicine*  
Htet, N. N., Jafari, D., Walker, J. A., Pourmand, A., Shaw, A., Dinh, K., Tran, Q. K.  
2023; 12 (22)
- **Use of Point-of-Care Ultrasound by Intensive Care Unit Triage Teams in Evaluating Unstable Patients Outside Intensive Care Units.** *Cureus*  
Gupta, P. B., Lighthall, G., Htet, N.  
2023; 15 (11): e49114
- **Further advancing emergency department triage prediction.** *Resuscitation*  
Levin, N. M., Gordon, A. J., Htet, N., Wilson, J. G.  
2023; 191: 109930
- **USE OF POINT-OF-CARE ULTRASOUND IN EVALUATING UNSTABLE PATIENTS OUTSIDE INTENSIVE CARE UNITS**  
Gupta, P., Lighthall, G., Htet, N.  
LIPPINCOTT WILLIAMS & WILKINS.2023: 574
- **RARE CO-OCCURRENCE OF FAVISM-INDUCED HEMOLYSIS AND METHEMOGLOBINEMIA SECONDARY TO G6PD DEFICIENCY**  
D'souza, M., Jones, J., Htet, N.  
LIPPINCOTT WILLIAMS & WILKINS.2023: 153
- **IMPENDING UPPER AIRWAY OBSTRUCTION FROM UNILATERAL TONSILLAR ENLARGEMENT IN A PATIENT WITH MONKEYPOX**  
Rozenbaum, D., Hua, S., Fellion, L., Higgins, T., Rahman, A., Oliveira, F., Boateng, A., Htet, N.  
LIPPINCOTT WILLIAMS & WILKINS.2023: 180
- **Advanced Critical Care Ultrasound: Axillary Arterial Line- Oft Forgotten**  
Slagle, D., Htet, N.  
EMRA.  
2022
- **Comparison of Language and Memory Lateralization by Functional MRI and Wada Test in Epilepsy.** *Frontiers in neurology and neuroscience research*  
Htet, N. N., Pizarro, R., Nair, V. A., Chu, D. Y., Meier, T., Tunnell, E., Rutecki, P., Hermann, B., Meyerand, E. M., Prabhakaran, V.  
2021; 2
- **Protocolized use of Factor Eight Inhibitor Bypassing Activity (FEIBA) for the reversal of warfarin induced coagulopathy** *AMERICAN JOURNAL OF EMERGENCY MEDICINE*  
Htet, N. N., Barounis, D., Knight, C., Umunna, B., Hormese, M., Lovell, E.  
2020; 38 (3): 539-544
- **Critical Care Education Day: A Novel, Multidisciplinary, and Interactive Critical Care Education Session for Emergency Medicine Residents.** *Cureus*  
Htet, N. N., Gordon, A. J., Mitarai, T.  
2020; 12 (1): e6785
- **Acute Respiratory Distress Syndrome: Etiology, Pathogenesis, and Summary on Management.** *Journal of intensive care medicine*  
Kaku, S., Nguyen, C. D., Htet, N. N., Tintera, D., Barr, J., Paintal, H. S., Kuschner, W. G.

2019: 885066619855021

- **SEVERE INTRAVASCULAR HEMOLYSIS WITH CLOSTRIDIUM PERFRINGENS BACTEREMIA**

Htet, N., Alipanah, N., Chen, W.

LIPPINCOTT WILLIAMS & WILKINS.2018: 295

- **Needle-guided ultrasound technique for axillary artery catheter placement in critically ill patients: A case series and technique description.** *Journal of critical care*

Htet, N., Vaughn, J., Adigopula, S., Hennessey, E., Mihm, F.

2017; 41: 194-197

- **Biodistribution and predictive value of (IF)-I-18-fluorocyclophosphamide in mice bearing human breast cancer xenografts** *JOURNAL OF NUCLEAR MEDICINE*

Kesner, A. L., Hsueh, W., Htet, N. L., Pio, B. S., Czernin, J., Pegram, M. D., Phelps, M. E., Silverman, D. H.

2007; 48 (12): 2021-2027