

CURRICULUM VITAE

Date of Revision: November 24, 2021
Name: Melissa Knauert, MD, PhD
School: Yale School of Medicine

Education:

ScB, Brown University Biochemistry 1996
PhD, Yale University 2005
MD, Yale School of Medicine 2006

Career/Academic Appointments:

2006 - 2007 Internship, Internal Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA
2007 - 2009 Residency, Internal Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA
2009 - 2012 Fellowship, Pulmonary and Critical Care, Yale University School of Medicine, New Haven, CT
2009 - 2013 Clinical Fellow, Pulmonary, Yale School of Medicine, New Haven, CT
2012 - 2013 Fellowship, Sleep Medicine, Yale University School of Medicine, New Haven, CT
2013 - 2015 Instructor, Pulmonary, Yale School of Medicine, New Haven, CT
2015 - present Assistant Professor, Pulmonary, Yale School of Medicine, New Haven, CT
2015 - present Assistant Professor, Secondary Appointment, Yale School of Nursing, West Haven, CT

Administrative Positions:

2013 - 2021 Associate Program Director, Sleep Medicine Fellowship, Internal Medicine, Yale School of Medicine, New Haven, CT

Board Certification:

AB of Internal Medicine, Pulmonary Disease (Internal Medicine), 11-2012
AB of Internal Medicine, Critical Care Medicine (Internal Medicine), 10-2013
AB of Internal Medicine, Sleep Medicine (Internal Medicine), 10-2015

Professional Honors & Recognition:

International/National/Regional

2021 "Top 3 of the Top 5 Abstract Poster Awards" CHEST Annual Meeting.
2020 PROSE Winner in the Textbook Category (Medicine and Clinical Science Sub-category)
2019 Sleep Research Society, Invited AASM representative, SRS Workshop on Circadian Rhythm Disorders
2019 American Thoracic Society, Invited participant, ATS Committee on Early Career Physician Scientist Development
2018 AAMC Early Career Women Faculty Leadership Development Seminar, Invited Participant Association of American Medical Colleges
2015 American Geriatrics Society and the National Institute on Aging, Travel Grant Recipient, U13 Conference, "Sleep, Circadian Rhythms, and Aging: New Avenues for Improving Brain Health, Physical Health and Functioning"
2014 American Academy of Sleep Medicine, Travel Grant Recipient, Young Investigator Research Forum
1998 Yale University School of Medicine, Medical Scientist Training Program

1997 American Red Cross, American Red Cross Award for Exemplary Service
1995 Brown University, Howard Hughes Research Fellow
1994 National Institute of Child Health and Human Development, National Institutes of Health
Intramural Research Training Award Fellowship

Yale School of Medicine

2021 Yale School of Medicine, Janeway Society
2020 Fund to Retain Clinician Scientists, Doris Duke Fellowship
2019 HRP Leadership and Management Skills Course for Scientists, Invited Participant
2015 Yale Center for Clinical Investigation, Yale School of Medicine, YCCI Scholar
2014 Yale Program on Aging, Yale School of Medicine, Pepper Scholar
2006 Yale School of Medicine, M.D., Ph.D. Award (Award for overall excellence given to a
graduating MD/PhD at Yale)
2006 Yale School of Medicine, Alpha Omega Alpha

Other

1996 All American Scholar
1996 Brown University, Arlene Gordan Award for Overall Excellence in Women's Crew

Grants/Clinical Trials History:

Current Grants

Agency: National Heart, Lung, and Blood Institute
I.D.#: R03 HL157009
Title: Novel Circadian Biomarkers in Medical ICU Patients
P.I.: Knauert, Melissa
Role: PI
Percent effort: N/A
Direct costs per year: \$50,000.00
Total costs for project
period: \$167,500.00
Project period: 9/20/2021 – 7/31/2023

Agency: National Heart, Lung and Blood Institute
I.D.#: 1U01HL150596
Title: The Collaboration Linking Opioid Use Disorder and Sleep ("CLOUDS") Study
P.I.: Yaggi, Henry
Role: Co-Investigator
Percent effort: 3%
Direct costs per year: \$3,125,895.00
Total costs for project
period: \$4,672,265.00
Project period: 9/27/2019 - 8/31/2023

Agency: National Heart, Lung and Blood Institute
I.D.#: K23 HL138229
Title: Circadian Rhythms as a Novel Therapeutic Target in the ICU
Role: Principal Investigator
Percent effort: 75%

Direct costs per year: \$162,300.00
Total costs for project
period: \$699,536.00
Project period: 4/9/2018 - 3/31/2022

Current Clinical Trials

Agency: Yale University School of Medicine
I.D.#: HIC# 2000027328
Title: Randomized Controlled Trial of Intermittent Feeding in Mechanically Ventilated ICU Patients
Role: Principal Investigator
Percent effort: N/A
Total costs for project
period: N/A
Project period: 5/21/2020 - ongoing

Agency: American Academy of Sleep Medicine Foundation (AASM)
I.D.#: AASM Foundation Strategic Research Award 186-SR-17
Title: Randomized Controlled Trial of Daytime Bright Light, Circadian Abnormalities, and Delirium in Medical ICU Patients
Role: Principal Investigator
Percent effort: N/A
Total costs for project
period: \$250,000.00
Project period: 4/9/2018 - ongoing

Agency: National Heart, Lung, and Blood Institute (NHLBI)
I.D.#: K23 HL138229
Title: Circadian Rhythm as a Novel Therapeutic Target in the Intensive Care Unit
Role: Principal Investigator
Percent effort: N/A
Total costs for project
period: \$699,536.00
Project period: 12/7/2017 - ongoing

Past Grants

Agency: Doris Duke Fund to Retain Clinical Scientists (FRCS) Program
I.D.#: Doris Duke Charitable Foundation Award #2015216
Title: Circadian Rhythm as a Novel Therapeutic Target in the Intensive Care Unit
P.I.: Knauert, Melissa
Role: PI
Percent effort: N/A
Direct costs per year: \$18,150.00
Total costs for project
period: \$18,150.00
Project period: 11/1/2020 - 10/31/2021

Agency: American Academy of Sleep Medicine Foundation
I.D.#: AASM Foundation COVID Relief Grant
Title: Daytime Bright Light, Circadian Abnormalities, and Delirium in Medical Intensive Care Unit Patients
P.I.: Knauert, Melissa
Role: PI
Percent effort: N/A
Direct costs per year: \$9,259.00
Total costs for project period: \$10,000.00
Project period: 9/1/2020 - 5/24/2021

Agency: American Academy of Sleep Medicine
I.D.#: AASM Foundation Strategic Research Award 186-SR-17
Title: Daytime Bright Light, Circadian Abnormalities, and Delirium in MICU Patients
Role: Principal Investigator
Percent effort: N/A
Direct costs per year: \$125,000.00
Total costs for project period: \$250,000.00
Project period: 5/24/2018 - 5/23/2021

Agency: National Center for Advancing Translational Sciences
I.D.#: 5KL2TR000140
Title: Yale University Clinical and Translational Science Award Program
P.I.: Sherwin, Robert
Role: YCCI Scholar Awardee
Percent effort: N/A
Direct costs per year: \$120,000.00
Total costs for project period: \$7,706,110.00
Project period: 7/1/2015 - 6/30/2017

Agency: National Institution on Aging
I.D.#: P30 AG021342
Title: Yale Claude D. Pepper Older Americans Independence Center
P.I.: Gill, Thomas
Role: Pepper Scholar
Percent effort: N/A
Direct costs per year: \$45,000.00
Total costs for project period: \$150,037.00
Project period: 7/1/2014 - 6/30/2016

Agency: National Institute of Nursing Research
I.D.#: P20 NR014126
Title: Yale Center for Sleep Disturbance in Acute and Chronic Conditions
P.I.: Redeker, Nancy
Role: Pilot Project PI

Percent effort: N/A
Direct costs per year: \$50,000.00
Total costs for project period: \$573,230.00
Project period: 9/27/2012 - 6/30/2014

Agency: National Heart, Lung, and Blood Institute
I.D.#: 5T32HL007778
Title: Training in Respiratory Biology and Pathobiology
P.I.: Elias, Jack
Role: Trainee
Percent effort: N/A
Direct costs per year: \$588,645.00
Total costs for project period: \$11,976,992.00
Project period: 7/1/2010 - 6/30/2013

Agency: National Institute of General Medical Sciences
I.D.#: 5T32GM007205
Title: Yale Medical Scientist Training Program
P.I.: Jamieson, James Douglas
Role: Trainee
Percent effort: N/A
Direct costs per year: \$1,235,465.00
Total costs for project period: \$1,235,465.00
Project period: 9/1/1998 - 5/30/2006

Past Clinical Trials

Agency: Yale Center for Clinical Investigation
I.D.#: 5KL2TR000140
Title: Circadian misalignment in critically ill patients
Role: Principal Investigator
Percent effort: N/A
Total costs for project period: \$250,000.00
Project period: 10/20/2015 - 10/15/2019

Agency: Vanderbilt University
I.D.#: R01 AG035117
Title: The Modifying the Impact of ICU-Associated Neurological Dysfunction-USA (MIND-USA) Study
P.I.: Margaret Pisani
Role: Sub-Investigator
Percent effort: N/A
Total costs for project period: \$7,500,000.00
Project period: 2/2/2012 - 1/12/2018

Pending Clinical Trials

Agency: National Institute of Allergy and Infectious Diseases (NIAID)
I.D.#: R01 AI142624
Title: Discovering the effects of circadian regulation and sleep on immune responses in young and older adults
P.I.: Albert C Shaw
Role: Sub-Investigator
Percent effort: N/A
Total costs for project period: N/A
Project period: 2/26/2020

Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated with Yale:

International/National

- 2021: Harvard Medical School, Pulmonary and Critical Care Grand Rounds. "Reframing ICU Sleep Deficiency: The Circadian Perspective" (Virtual)
- 2021: Kansas University School of Medicine, University of Kansas Medical Center, Kansas University School of Medicine Research Lecture Series. "Sleep and Circadian Disruption in the ICU" (Virtual)
- 2021: Chairperson, American Thoracic Society, Workshop in the "Causes, consequences, and treatments of sleep and circadian disruption in the ICU" (Virtual)
- 2021: American College of Chest Physicians Sleep Board Review, American College of Chest Physicians Sleep Board Review with recorded lecture and interactive case-based question and answer session. "Why We Sleep: Adult Sleep Structure, Function, Normal Physiology and the Effects of Sleep Deprivation." (Virtual)
- 2021: American College of Chest Physicians Sleep Board Review, American College of Chest Physicians Sleep Board Review with recorded lecture and interactive case-based question and answer session. "Circadian Rhythm Sleep Disorders" (Virtual)
- 2019: American College of Chest Physicians Sleep Board Review, Phoenix, AZ. "Why We Sleep: Adult Sleep Structure, Function, Normal Physiology, and the Effects of Sleep Deprivation"
- 2019: American College of Chest Physicians Sleep Board Review, Phoenix, AZ. "Circadian Rhythm Sleep Disorders"
- 2017: American College of Chest Physicians, Orlando, FL. "Chest Board Review: Why We Sleep: Adult Sleep Structure, Function, Normal Physiology"
- 2017: American College of Chest Physicians, Orlando, FL. "Chest Board Review: Circadian Rhythm Sleep Disorders"

Regional

- 2019: JFK Neuroscience Institute at Hackensack Meridian Health, Hackensack, NJ. "Targeting Sleep and Circadian Disruption in Critically Ill Patients."
- 2014: Lawrence and Memorial Hospital Continuing Medical Education Program, New London, CT. "Common Sleep Disorders: Typical and Atypical Presentations"

Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated with Yale: International/National

- 2021: American College of Chest Physicians, Poster. "Light Spectra: An Important Consideration for circadian alignment in the MICU"

- 2021: American College of Chest Physicians, Poster. "Light Patterns of the MICU: Are we disrupting circadian rhythms?" Awarded "Top 3 of the Top 5 Abstract Poster Award"
- 2021: SLEEP, Joint annual meeting of the American Academy of Sleep Medicine and the Sleep Research Society. "Sleep Apnea Severity and COVID-19 Hospitalization Outcomes: Interim Analysis" (Virtual)
- 2021: SLEEP, Joint annual meeting of the American Academy of Sleep Medicine and the Sleep Research Society. "Influence of Chronotype on CPAP Adherence" (Virtual)
- 2021: SLEEP, Joint annual meeting of the American Academy of Sleep Medicine and the Sleep Research Society. "Obstructive Sleep Apnea in Pregnancy: Screening Practices and Perceptions among Obstetrics Practitioners at an Academic Tertiary Medical Center" (Virtual)
- 2021: SLEEP, Joint annual meeting of the American Academy of Sleep Medicine and the Sleep Research Society. "The Impact of COVID-19 Hospitalization on Obstructive Sleep Apnea Severity and Treatment Compliance" (Virtual)
- 2021: American Thoracic Society, American Thoracic Society International Conference. "Intermittent Feeding in Mechanically Ventilated Medical Intensive Care Unit Patients: Preliminary Outcomes" (Virtual)
- 2021: American Thoracic Society, American Thoracic Society International Conference. "A Pilot Protocol for Intermittent Feeding in Mechanically Ventilated Medical Intensive Care Unit Patients" (Virtual)
- 2020: Gerontological Society of America Annual Meeting, Remote version of the Gerontological Society of America Annual Meeting. "A SAS Macro for Cosinor Analysis of Automated Heart Rate Data in the ICU" (Virtual)
- 2020: Eastern North American Region International Biometric Society, Eastern North American Region International Biometric Society. "Cosinor Analysis of Automated Heart Rate Data in the ICU" (Virtual)
- 2020: 49th Critical Care Congress of the Society of Critical Care Medicine, Orlando, FL. "Circadian Entrainment Cues in the ICU: Bricks on the Road to Critical Illness Recovery"
- 2019: American Thoracic Society International Conference, Dallas, TX. "Circadian Misalignment in the ICU"
- 2019: American College of Chest Physicians Annual Meeting, New Orleans, LA. "Pain, Agitation, Delirium, Immobility, Sleep (PADIS) Guidelines-What do they mean for my patients?"
- 2018: SLEEP: Joint annual meeting of the American Academy of Sleep Medicine and the Sleep Research Society, Baltimore, MD. "I don't think we are in Kansas Anymore – Sleep and Circadian Disruption in the ICU"
- 2018: American College of Chest Physicians Annual Meeting, San Antonio, TX. "Sleep and Alertness Optimization Techniques"
- 2018: American Thoracic Society International Conference, San Diego, CA. "The Relationship Between Disease Severity and Sleep Quality in the Context of an Intensive Care Unit Sleep Promotion Intervention"
- 2018: American Thoracic Society International Conference, San Diego, CA. "Acceptability and Feasibility of an Electronic Tablet-Delivered Music Intervention in the Medical Intensive Care Unit"
- 2017: American Thoracic Society International Conference, Washington, DC. "Circadian Rhythms in the Medical Intensive Care Unit: Measurement Via Actigraphy"
- 2017: American Thoracic Society International Conference, Washington, DC. "Nocturnal Use of the Passy Muir Valve in a Long-Term Acute Care Facility: Is it safe?"
- 2017: American Thoracic Society International Conference, Washington, DC. "Non-Circadian Light Exposure in the ICU: Point-Prevalence Morning, Noon and Night"
- 2017: American Thoracic Society International Conference, Washington, DC. "Baseline Functional Impairment is Associated with the Placement of Limitations on Aggressive Care in Critically Ill Adult"

- 2017: American College of Chest Physicians Annual Meeting, Toronto, ON, Canada. "Delirium is associated with sleep disturbance after critical illness. Original Investigation Slide Presentation."
- 2017: American College of Chest Physicians Annual Meeting, Toronto, ON, Canada. "Rothman Index Predicts ICU Mortality at 24 Hours"
- 2016: American Thoracic Society International Conference, San Francisco, CA. "Postgraduate Course Topic: Environmental Interventions to Prevent Sleep Disruption: More than Just Noise?"
- 2016: P20 Research Symposium and Directors Meeting, Bethesda, MD. "Patients in the medical intensive care unit are exposed to in-room disturbances that conflict with normal circadian cues."
- 2015: American College of Chest Physicians Annual Meeting, Montreal, QC, Canada. "Sleep in the ICU: Protocol Development and Implementation"
- 2014: SLEEP: Joint annual meeting of the American Academy of Sleep Medicine and the Sleep Research Society, Minneapolis, MN. "Noise as a source of Medical ICU Sleep Disruption"
- 2014: SLEEP: Joint annual meeting of the American Academy of Sleep Medicine and the Sleep Research Society, Minneapolis, MN. "Perceptions of Medical Intensive Care Unit Environment and Sleep Among Patients and Caregivers"
- 2013: American College of Chest Physicians Annual Meeting, Chicago, IL. "A New Frontier: Sleep in the ICU, Exploration Beyond the Sleep Laboratory"
- 2013: SLEEP: Joint annual meeting of the American Academy of Sleep Medicine and the Sleep Research Society, Baltimore, MD. "Medical ICU Sleep Deprivation: Frequent Nocturnal Room Activity"
- 2012: American Thoracic Society International Conference, San Francisco, CA. "Feasibility of Conducting 24-Hour Polysomnography Studies in the Medical Intensive Care Unit"
- 2012: American Thoracic Society International Conference, San Francisco, CA. "Alterations in Toll-Like Receptor 4 Function Secondary To Smoking and Age"
- 2012: American College of Chest Physicians Annual Conference, Atlanta, GA. "Sources of Overnight Patient Sleep Disruption in the Medical Intensive Care Unit"
- 2010: American Thoracic Society International Conference, New Orleans, LA. "Tension Hydrothorax Secondary to Pleuroperitoneal Leak Related to Peritoneal Dialysis"
- 2010: American Thoracic Society International Conference, New Orleans, LA. "Acute Pleuropericardial Effusion in a Patient with Ankylosing Spondylitis"
- 2008: American Thoracic Society International Conference, Toronto, ON, Canada. "Differential Expression of Rap1GAP in Non-Small-Cell Lung Cancer"

Professional Service:

Advisory Boards

- 2013 - present Committee Member, Professional Advisory Committee, Masters in Home Care, Physician representative for the Professional Advisory Committee that guides this home care agency.

Journal Service

Editor/Associate Editor

- 2020 Guest Editor, *Frontiers of Neuroscience*, Topic: Sleep and Circadian Disruption in Critically Ill Patients
- 2020 - 2022 Guest Editor, *Clinics in Chest Medicine*, Topic: Sleep Deficiency and Health

Reviewer

- American Journal of Critical Care
- American Journal of Respiratory and Critical Care Medicine
- Annals of the American Thoracic Society

British Medical Journal: Open Respiratory
Chest
Critical Care
Heart & Lung - The Journal of Acute and Critical Care
Intensive Care Medicine
Journal of Clinical Sleep Medicine
Journal of Critical Care
Journal of Patient Experience
Sleep

Professional Service for Professional Organizations

American Academy of Sleep Medicine

2017 Co-Chair, American Academy of Sleep Medicine, Co-chair of an oral presentation session, "Sleep Changes with Aging and Their Impact on Mortality" at the SLEEP Annual Conference.
2012 - present Member, American Academy of Sleep Medicine

American College of Chest Physicians

2021 Editorial Board, CHEST SEEK Sleep Medicine
2017 - present Faculty, Sleep Board Review (2017, 2019, 2021 sessions)
2013 Moderator, American College of Chest Physicians, Moderator Critical Care Poster Session at the Chest Annual Meeting.
2009 - present Member, American College of Chest Physicians

American Thoracic Society

2021 - 2022 Program Committee, American Thoracic Society, Program Committee member for the Sleep and Respiratory Neurobiology (SRN) Assembly.
2020 - 2021 Program Committee, American Thoracic Society, Program Committee member for the Sleep and Respiratory Neurobiology (SRN) Assembly.
2009 - present Member, American Thoracic Society

Sleep Research Society

2018 - present Member, Sleep Research Society

Society for Critical Care Medicine

2019 - present Member, Society for Critical Care Medicine

Yale University Service

Medical School Committees

2020 – present Chair, GME Fatigue Mitigation Work Group

Departmental Committees

2017 - 2021 Member, Yale Internal Medicine Diversity Committee
2017 - present Member, Mentor, Advisor, Coach: Internal Medicine Resident Advisory Program, Serve as an advisor to internal medicine residents. Meeting bi-monthly to promote career development.

Hospital Committees

- 2017 - present Member, Medical ICU Patient Experience Committee, Yale-New Haven Hospital, I serve as a faculty representative to this interdisciplinary committee committed to improving the patient experience in the YNHH medical ICU.
- 2021 – present Member, YNHH Pharmacy and Therapeutics Committee

Bibliography:**Peer-Reviewed Original Research**

1. Sheffield LJ, **Knauert MP**, Pakstis AJ, Zhao H, Kidd KK. Analyses of the COGA data set in one ethnic group with examinations of alternative definitions of alcoholism. *Genetic Epidemiology* 1999, 17 Suppl 1:S319-24.
2. Zhao H, Sheffield LJ, Pakstis AJ, **Knauert MP**, Kidd KK. A more powerful method to evaluate p-values in GENEHUNTER. *Genetic Epidemiology* 1999, 17 Suppl 1:S415-20.
3. **Knauert MP**, Lloyd JA, Rogers FA, Datta HJ, Bennett ML, Weeks DL, Glazer PM. Distance and affinity dependence of triplex-induced recombination. *Biochemistry* 2005, 44:3856-64.
4. **Knauert MP**, Kalish JM, Hegan DC, Glazer PM. Triplex-stimulated intermolecular recombination at a single-copy genomic target. *Molecular Therapy: The Journal of the American Society of Gene Therapy* 2006, 14:392-400.
5. Lonkar P, Kim KH, Kuan JY, Chin JY, Rogers FA, **Knauert MP**, Kole R, Nielsen PE, Glazer PM. Targeted correction of a thalassemia-associated beta-globin mutation induced by pseudo-complementary peptide nucleic acids. *Nucleic Acids Research* 2009, 37:3635-44.
6. **Knauert MP**, Yaggi HK, Redeker NS, Murphy TE, Araujo KL, Pisani MA. Feasibility study of unattended polysomnography in medical intensive care unit patients. *Heart & Lung: The Journal of Critical Care* 2014, 43:445-52.
7. Kamdar BB, **Knauert MP**,* Jones SF, Parsons EC, Parthasarathy S, Pisani MA. Perceptions and Practices Regarding Sleep in the Intensive Care Unit. A Survey of 1,223 Critical Care Providers. *Annals of the American Thoracic Society* 2016, 13:1370-7. ***Co-first authors**
8. **Knauert M**, Jeon S, Murphy TE, Yaggi HK, Pisani MA, Redeker NS. Comparing average levels and peak occurrence of overnight sound in the medical intensive care unit on A-weighted and C-weighted decibel scales. *Journal of Critical Care* 2016, 36:1-7.
9. Ding Q, Redeker NS, Pisani MA, Yaggi HK, **Knauert MP**. Factors Influencing Patients' Sleep in the Intensive Care Unit: Perceptions of Patients and Clinical Staff. *American Journal of Critical Care: An Official Publication, American Association of Critical-Care Nurses* 2017, 26:278-286.
10. Altman MT, **Knauert MP**, Murphy TE, Ahasic AM, Chauhan Z, Pisani MA. Association of intensive care unit delirium with sleep disturbance and functional disability after critical illness: an observational cohort study. *Annals of Intensive Care* 2018, 8:63.
11. Altman MT, Pulaski C, Mburu F, Pisani MA, **Knauert MP**. Non-circadian signals in the intensive care unit: Point prevalence morning, noon, and night. *Heart & Lung: The Journal of Critical Care* 2018, 47:610-615.
12. **Knauert MP**, Gilmore EJ, Murphy TE, Yaggi HK, Van Ness PH, Han L, Hirsch LJ, Pisani MA. Association between death and loss of stage N2 sleep features among critically ill patients with delirium. *Journal of Critical Care* 2018, 48:124-129.
13. **Knauert MP**, Redeker NS, Yaggi HK, Bennick M, Pisani MA. Creating Naptime: An Overnight, Nonpharmacologic Intensive Care Unit Sleep Promotion Protocol. *Journal of Patient Experience* 2018, 5:180-187.
14. Girard TD, Exline MC, Carson SS, Hough CL, Rock P, Gong MN, Douglas IS, Malhotra A, Owens RL, Feinstein DJ, Khan B, Pisani MA, Hyzy RC, Schmidt GA, Schweickert WD, Hite RD, Bowton DL, Masica AL, Thompson JL, Chandrasekhar R, Pun BT, Strength C, Boehm LM, Jackson JC, Pandharipande PP, Brummel NE, Hughes CG, Patel MB, Stollings JL, Bernard GR, Dittus RS, Ely EW. **For the MIND-USA**

- Investigators (including Knauert MP).*** Haloperidol and Ziprasidone for Treatment of Delirium in Critical Illness. *The New England Journal of Medicine* 2018, 379:2506-2516.
15. Heavner, MS, Nam, NK, Knauert, MP, Verceles, A, Pisani, MP, Seung, H, and Gonzales, JP. Survey of clinical pharmacist perceptions and practices in promoting sleep quality in intensive care unit patients" *JACCP: Journal of the American College of Clinical Pharmacy*. 2019 Volume 2 Issue 1 page 46-52
 16. **Knauert MP**, Pisani M, Redeker N, Murphy T, Araujo K, Jeon S, Yaggi H. Pilot study: an intensive care unit sleep promotion protocol. *BMJ Open Respiratory Research* 2019, 6:e000411.
 17. **Knauert MP**, Murphy TE, Doyle MM, Pisani MA, Redeker NS, Yaggi HK. Pilot Observational Study to Detect Diurnal Variation and Misalignment in Heart Rate Among Critically Ill Patients. *Frontiers in Neurology* 2020, 11:637.
 18. Kahn PA, **Knauert MP**. Reply to Joyce et al. *Journal of Sleep Research* 2020, e13256.
 19. Luszczek ER, **Knauert MP**. Light Levels in ICU Patient Rooms: Dimming of Daytime Light in Occupied Rooms. *Journal of Patient Experience* 2021, 8:23743735211033104.
 20. Doyle MM, Murphy TE, Pisani MA, Yaggi HK, Jeon S, Redeker NS, **Knauert MP**. A SAS macro for modelling periodic data using cosinor analysis. *Computer Methods and Programs in Biomedicine* 2021, 209:106292.

Chapters, Books, and Reviews

21. **Knauert MP**, Glazer PM. Triplex forming oligonucleotides: sequence-specific tools for gene targeting. *Human Molecular Genetics* 2001, 10:2243-51.
22. **Knauert M**, Vangala S, Haslip M, Lee PJ. Therapeutic applications of carbon monoxide. *Oxidative Medicine and Cellular Longevity* 2013, 2013:360815.
23. **Knauert MP**, Malik V, Kamdar BB. Sleep and sleep disordered breathing in hospitalized patients. *Seminars In Respiratory and Critical Care Medicine* 2014, 35:582-92.
24. **Knauert M**, Naik S, Gillespie MB, Kryger M. Clinical consequences and economic costs of untreated obstructive sleep apnea syndrome. *World Journal of Otorhinolaryngology - Head and Neck Surgery* 2015, 1:17-27.
25. **Knauert MP**, Haspel JA, Pisani MA. Sleep Loss and Circadian Rhythm Disruption in the Intensive Care Unit. *Clinics In Chest Medicine* 2015, 36:419-29.
26. Weiss P, Kryger M, **Knauert M**. Impact of extended duty hours on medical trainees. *Sleep Health* 2016, 2:309-315.
27. Sleep Disordered Breathing in Pregnancy. Facco F, Louis J, **Knauert MP**, Izci BB. Editor Kryger, M, Roth, T, & Dement, WC (2017). *Principles and practice of sleep medicine*. Philadelphia, PA: Saunders/Elsevier
28. Insomnia in Women. Wojeck BS, **Knauert MP**, Won C, Kryger M. Editor Benca R (2017). *Insomnia: Diagnosis, Management, Co-morbidities*. Cambridge, Cambridge University Press.
29. Altman MT, **Knauert MP**, Pisani MA. Sleep Disturbance after Hospitalization and Critical Illness: A Systematic Review. *Annals of the American Thoracic Society* 2017, 14:1457-1468.
30. Sleep in Hospitalized Patients. **Knauert MP**, Pisani MA. *PROSE Winner in the Textbook Category. Editor Savard J, Ouellet M (2019). *Handbook of Sleep Disorders in Medical Conditions*. Academic Press.
31. Gao CA, **Knauert MP**. Circadian Biology and Its Importance to Intensive Care Unit Care and Outcomes. *Seminars In Respiratory and Critical Care Medicine* 2019, 40:629-637.
32. Sleep Disordered Breathing in Pregnancy. Facco FL, Louis JM, **Knauert MP**, and Izci BB. Editor Kryger, M, Roth, T, & Dement, WC (2021). *Principles and practice of sleep medicine*. Philadelphia, PA: Saunders/Elsevier. 7th Edition.

33. Sleep in the Critically Ill Patient. **Knauert MP**, Weinhouse GL, Heideman BE, Pisani MA, Watson PL. Editor Kryger, M, Roth, T, & Dement, WC (2021). Principles and practice of sleep medicine. Philadelphia, PA: Saunders/Elsevier. 7th Edition.
34. Lutchmansingh DD, **Knauert MP**, Antin-Ozerkis DE, Chupp G, Cohn L, Dela Cruz CS, Ferrante LE, Herzog EL, Koff J, Rochester CL, Ryu C, Singh I, Tickoo M, Winks V, Gulati M, Possick JD. A Clinic Blueprint for Post-Coronavirus Disease 2019 RECOVERY: Learning from the Past, Looking to the Future. *Chest* 2021, 159:949-958.
35. **Knauert, MP**, Editorial Board Member (2021). *Chest SEEK Sleep Medicine*. American College of Chest Physicians. 5th Edition.

Invited Editorials and Commentaries

36. **Knauert MP**, Pisani MA. Dexmedetomidine for hyperactive delirium: worth further study. *Journal of Thoracic Disease* 2016, 8:E999-E1002.
37. **Knauert MP**, Kamdar BB. Reply: Sleep in the Intensive Care Unit Is a Priority. *Annals of the American Thoracic Society* 2016, 13:1868-1869.
38. **Knauert MP**. Identifiability, and Detectability in a Randomized, Simulation-Based Study. Practice Update website. Available at: <https://www.practiceupdate.com/content/recommendation-of-new-medical-alarms-based-on-audibility-identifiability-and-detectability/87187/65/20/1>. Accessed August 29, 2019
39. **Knauert MP**. CHEST Thought Leaders Blog “Leveraging Circadian Cues to Improve ICU Outcomes” at chestnet.org/News/Blogs/CHEST-Thought-Leaders/2019/03/Leveraging-Circadian-Cues-to-Improve-ICU-Outcomes

Case Reports, Technical Notes, Letters

40. Argento AC, Kim A, **Knauert MP**, Boffa D, Siegel MD, Jafari B, Puchalski JT. Recurrent hydrothorax and surgical diaphragmatic repair: report of 2 cases and review of the literature. *Journal of Bronchology & Interventional Pulmonology* 2014, 21:150-3.

Scholarship in Press

41. Gohar AA, **Knauert MP**, Kalot MA, Khan A, Sider D, Javed MA, Wooldridge D, Eck L, Buckhold F, Colaco B, Bhat A, Matos D, Newman R, Mustafa RA. Influence of Medical Trainee Sleep Patterns (Chronotype) on Burnout and Satisfaction with Work Schedules: A Multicenter Observational Study. *Post Graduate Medical Journal*, Accepted 10.25.2021.