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CURRICULUM VITAE

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Web pagehttp://biostat.mc.vanderbilt.edu/wiki/Main/RameelaChandrasekharGoogle Scholarhttps://scholar.google.com/citations?user=8Dxl24cAAAAJ&hl=en

My Bibliography (NIH)

https://www.ncbi.nlm.nih.gov/myncbi/browse/collection/41454225/?sort=date&direction=descending

EDUCATION

2008 M.A., Biostatistics: State University of New York at Buffalo, New York
 2011 Ph.D., Biostatistics: State University of New York at Buffalo, New York

Dissertation: "A new linear model-based approach for modeling the area under the curve"

Dissertation Committee Chair: Dr. Gregory Wilding

ACADEMIC APPOINTMENTS

2011 – 2013 Instructor, Department of Biostatistics, Vanderbilt University School of Medicine

2013 – Assistant Professor, Department of Biostatistics, Vanderbilt University School of

Medicine

2017 – Assistant Professor of Nursing, School of Nursing, Vanderbilt University

AFFILIATE APPOINTMENTS

2011- Center of Excellence for Children in State Custody at Vanderbilt

2013- ICU Delirium and Cognitive Impairment Study Group

2013- Emergency Department Delirium Study Group
2017- Vanderbilt Center for Health Services Research

2018- Vanderbilt Kennedy Center

OTHER EMPLOYMENT

2006 – 2007
 2007 – 2011
 2017 Graduate Research Assistant, Department of Biostatistics, SUNY at UB
 Pre-Doctoral Research Affiliate, Roswell Park Cancer Institute, Buffalo
 Statistical Consultant, Chapin Hall at the University of Chicago

AWARDS AND HONORS

2009 ENAR Travel Award to attend the Fostering Diversity in Biostatistics Workshop

2009 Richard N. Schmidt Scholarship Travel Award to attend ENAR

2010 Elected to Sigma Xi, The Scientific Research Society

2010 ASA/Boyd Harshbarger Travel Award to attend the Southern Regional Council on

Statistics (SRCOS) Summer Research Conference

2015 ENAR Travel Award to attend the Junior Biostatisticians in Health Research

Workshop

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2015	ENAR Travel Award to attend the Fostering Diversity in Biostatistics Workshop
2016	Patrick G. Arbogast Award for best collaborative publication, Department of
	Biostatistics, Vanderbilt University School of Medicine
2017	Selected as VUMC's nominee for the limited submission opportunity for the 2017 Johnson
	& Johnson WiSTEM2D Scholars Award Program
2018	Selected as a participant and received \$500 research funds to enhance teaching, Course
	Design Institute at the Vanderbilt Center for Teaching
2018	2019 Oak Ridge Associated Universities Events Sponsorship Program award to facilitate
	the 'Distinguished Women in Statistics' seminar series

PROFESSIONAL ORGANIZATIONS

2005 – American Statistical Association (ASA)

Section member: Government Statistics Section, Health Policy Statistics Section,

Section on Statistical Education, Section on Teaching of Statistics in the Health Sciences

2017 – Caucus for Women in Statistics (CWS)

2018 – Member, <u>BERD SIG</u>

PROFESSIONAL ACTIVITIES

Extramural

Study Section/Scientific Review Committees

March 2018 NIH/NCCIH panel to review applications for Exploratory Clinical Trials of Mind and

Body Interventions (R34 and U01)

Feb 2019 NIH/NCCIH panel to review applications for Exploratory Mechanistic studies to Optimize

Mind and Body Interventions. (R33 and R61/R33)

Feb 2019 NIH/NCCIH panel to review applications for Exploratory Clinical Trials of Mind and

Body Interventions (R34 and U01)

DSMB

2019- Data and Safety Monitoring Board Member, REHAB-PH Study, NHLBI.

Statistical Reviewer for:

American Journal of Kidney Diseases, American Journal of Epidemiology, Communications in Statistics, European Heart Journal, Intensive Care Medicine, Journal of Applied Statistics, Journal of Hospital Medicine, Journal of General Internal Medicine, Journal of Statistics Education, Statistics and Its Interface, Statistics in Medicine, The Lancet group of journals (The Lancet, The Lancet Diabetes & Endocrinology, The Lancet Public Health, The Lancet HIV, The Lancet Respiratory Medicine, The Lancet Digital Health), The Journal of Urology, Office of Justice Program (OJP)

General:

2009-2010 Judge, American Statistical Association K-12 Statistics Project Competition.

2010- Pro Bono statistical consultant, Statistics Without Borders (SWB)

2012 Session Chair, useR! 2012

2014 - Ad hoc reviewer for Qatar National Research Fund (QNRF)

2016- Judge, American Statistical Association K-12 Statistics Project Competition.

2017, 2018 - Selected Participant, ASA Statistical Education Mentoring Program

Intramural

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2011 -Studio Expert, Vanderbilt Institute for Clinical and Translational Research Member, Graduate Program Committee, Department of Biostatistics, Vanderbilt 2013 -2014 Member, Linda Stewart Applied Analysis Report Award Committee, Department of Biostatistics, Vanderbilt University 2016 Clinical Research Judge, Poster Presentations, 34th Annual Research Forum, Vanderbilt University Medical Center 2018 -Member, Biostatistics Graduate Program Admissions Committee Voting member, Institutional Review Board for the Protection of Human Subjects, 2018 -Vanderbilt University Review committee member, Data Science Institute-Summer Research Program (DSI-SRP) 2019

PRIMARY ACADEMIC COLLABORATIONS:

2011-	Tennessee Department of Children's Services				
2013-	ICU Delirium and Cognitive Impairment Group at Vanderbilt				
2013-	Emerging Infections Program – Collaboration of the Tennessee Department of Health, tl				
	Vanderbilt University School of Medicine, Department of Preventive Medicine and the				
	Centers for Disease Control and Prevention				
2015-	School of Nursing: Teaching introductory statistics course to Doctorate in Nursing				
	Practice Students				

TEACHING ACTIVITIES

Courses

08/05 - 05/06	Teaching Assistant: Department of Biostatistics, SUNY at Buffalo, STA 119 - Introduction to Statistics.				
Summer 2009	Course Instructor: Department of Biostatistics, SUNY at Buffalo, STA 119 - Introduction to Statistics				
Spring '13, '14	Course Instructor: Department of Biomedical Engineering, Vanderbilt University School of Engineering, <i>BME 260 - Analysis of biomedical data</i>				
Spring '15 –	Course Co-Instructor: School of Nursing, Vanderbilt University, NURS 8014 [Formerly NURS 414] - Statistics in Health Sciences				

Delirium Society Meeting 2017

External Invited Lectures/Seminars/Workshops				
1.	Feb 2011	Division of Biostatistics and Epidemiology, Cincinnati Children's Hospital Medical Center		
2.	Feb 2011	A new linear model-based approach for modeling the area under the outcome-time curve. Department of Epidemiology and Biostatistics, Memorial Sloan-Kettering Cancer Center - A new linear model-based approach for modeling the area under the outcome-time curve.		
3.	Mar 2011	Joseph J Zilber School of Public Health, University of Wisconsin-Milwaukee - A new		
4.	May 2016	linear model-based approach for modeling the area under the outcome-time curve. CDC - The Influenza Hospitalization Surveillance Network (FluSurv-NET) Working Group. (Presented virtually) - Multi-level Regression Modeling in Influenza.		
5.	May 2017	Johns Hopkins Delirium Consortium. (Presented virtually) - Relating delirium or other longitudinal exposure variables to scalar long-term health outcomes: the role of		
6.	June 2017	functional data analysis. Statistical Workshop - Statistical Methods for Delirium Research: Relating delirium or other longitudinal exposure variables to scalar long-term health outcomes. American		

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- 7. **Feb 2018** Meharry Medical College, Nashville TN *Misleading Statistics*. Lecture given as part of the Capstone Course.
- 8. **June 2018** Statistical Workshop Statistical Methods for Delirium Research: *Survivor and attrition bias- What can we do about it?* American Delirium Society Meeting 2018
- 9. **July 2018** Department of Biostatistics, Amritha School of Medicine, Amritha University, India (Amrita Vishwa Vidyapeetham) *Statistical aspects of evaluating the performance of medical tests*.
- 10. **Feb 2019** Meharry Medical College, Nashville TN *Ethics, Critical Thinking and Statistics*. Lecture given as part of the Capstone Course.
- 11. **June 2019** Statistical Workshop Statistical Methods for Delirium Research: *Pragmatic Trials in Delirium*. American Delirium Society Meeting 2019
- 12. **TBD 2019** Centers for Disease Control and Prevention *Social Determinants of Influenza Hospitalization in the United States*. Committed to present.

Internal Invited Lectures/Seminars

- 13. **Mar 2011** A new linear model-based approach for modeling the area under the outcome-time curve. Department of Biostatistics, Vanderbilt University School of Medicine.
- 14. **Feb 2012** Guest lecture *BME 260 Analysis of biomedical data*: Estimation of sample size and power. Department of Biomedical Engineering, Vanderbilt University School of Engineering.
- 15. **Feb 2012** Guest lecture *BME 260 Analysis of biomedical data*: Two sample testing. Department of Biomedical Engineering, Vanderbilt University School of Engineering.
- 16. **Aug 2013** A linear model-based approach for inferences about the area under the curve with repeated measures and values below the limit of detection. Vanderbilt Department of Biostatistics, Continuing Education Informal Workshop.
- 17. **Oct 2013** Guest lecture *PUBH 5514 Social and Behavioral Science for Public Health*: An 80 min lecture on data management. Vanderbilt University School of Medicine.
- 18. **Oct 2015** Socioeconomic disparities and influenza hospitalizations in TN. Health Policy Faculty Meeting, Vanderbilt University School of Medicine.
- 19. **Dec 2017** Prescriber profiling in the child welfare system and its challenges. Department of Biostatistics Seminar, Vanderbilt University School of Medicine.

Presentations at National Conferences

- 20. Oct 2007 Xerogel Package. UB Warren Perry Lecture, State University of New York at Buffalo.
- 21. **Mar 2009** Estimating percentiles in dose-response curves for delayed responses using an adaptive compound urn design. International Biometrics Society Eastern North American Region (ENAR) Annual Meeting.
- 22. **June 2010** A new linear model-based approach for modeling the area under the curve. Southern Regional Council on Statistics (SRCOS) Summer Research Conference, Virginia Beach, VA.
- 23. **Aug 2012** A linear model-based approach for inferences about the area under the curve with repeated measures and values below the limit of detection. Joint Statistical Meeting (JSM).
- 24. Oct 2016 Social Determinants of Influenza Hospitalization in the United States. IDWeek, New Orleans, LO.

Presentations by mentored staff or student

- 25. **Nov 2012** Maps and geocoding using R. W Wang, R Chandrasekhar. Vanderbilt University Medical Center GIS User Group.
- 26. **Aug 2015** Multinomial Regression for Correlated Data Using the Bootstrap in R. Thompson JL, Chandrasekhar R. Joint Statistical Meetings, Seattle, WA.

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27.	June 2017	Why missing delirium data is a particular problem, and proactive and practical ways to
		handle it. Thompson JL, Chandrasekhar R, Patel M. Handling Bias from Missing
		Delirium Assessments. American Delirium Society Annual Meeting, Nashville, TN.
28.	Aug 2017	Identification of Potentially Problematic Prescribing to a Vulnerable Population. R Jarrett,
		R Epstein, M Cull, D Schlueter, K Gracey, M Butler, R Chandrasekhar. Joint Statistical
		Meetings.
29.	Oct 2017	Using R Shiny as a Tool for Identifying Outlying Prescribers to a Vulnerable Population.
		Tennessee Department of Children's Services and BlueCross BlueShield of Tennessee.
30.	Jan 2018	Identification of Potentially Problematic Prescribing to a Vulnerable Population. R Jarrett,
		R Epstein, M Cull, D Schlueter, K Gracey, M Butler, R Chandrasekhar. International
		Conference on Health Policy Statistics 2018.
31.	Aug 2018	Strategies for Analyzing Summary Variables in the Presence of Partially Missing
	_	Longitudinal Data. JL Thompson, R Chandrasekhar. Joint Statistical Meetings.
32.	Oct 2018	Dynamic and Interactive Administrative Reporting. David Schlueter, Ryan Jarrett. 14th
		Annual Transformational Collaborative Outcomes Management Conference.

Academic Advising and Mentoring of Staff

11/11 – 01/13	Wei Wang, Ph.D	Biostat II,	Department of Biostatistics,	Vanderbilt University School of	f
	Medicine.				

- **10/13 01/19** Jennifer L. Thompson, MPH, Biostat IV, Department of Biostatistics, Vanderbilt University School of Medicine
- 01/14 06/15 Xulei Liu, MA, Biostat III, Department of Biostatistics, Vanderbilt University School of Medicine
- **02/19** Onur M Orun, MS, Biostat II, Department of Biostatistics, Vanderbilt University School of Medicine

Research Assistantship Advising

- **09/13 12/18** David Schlueter Graduate Student, Department of Biostatistics, Vanderbilt University School of Medicine.
- **09/14** Ryan Jarrett Graduate Student, Department of Biostatistics, Vanderbilt University School of Medicine.

Oral Examinations/Thesis Reader/Student Committees:

Jo Ellen Wilson (Epidemiology Ph.D. Candidate) Schlueter, David (Biostatistics Ph.D. Candidate, 2015) Sampson, Uchechukwu (Biostatistics M.S., 2014)

Primary Thesis Advisor/Co-Advisor

Danielle Nicole Nemetz (Biostatistics)

CURRENT AND PAST SUPPORT

Ongoing Research Support

Oak Ridge Associated Universities (ORAU) Event Sponsorship Program Support for the 'Distinguished Women in Statistics' Seminar series Total award: \$4,000

10/05/2018 - 09/30/2019

Role: PI

5R01AG035117-06 (Ely - PI)

03/15/2011 - 02/28/2017

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NIH/NIA

The MIND USA Study Role: Biostatistician

5U50 CK000198 (Schaffner - PI)

01/01/2012 - 12/31/2017

TN Department of Health Role: Biostatistician

5R01HL111111-05 (Pandharipande - PI)

07/01/2012 - 06/30/2018

NIH/NHLBI

Altering Sedation Paradigms to Improve Brain Injury and Survival in Severe Sepsis

Role: Biostatistician

VUMC8459/GR-11-31880 (Epstein - PI)

12/01/2011 - 06/30/2016

State of TN

Early and Periodic Screening Diagnosis & Treatment Center of Excellence

Role: Biostatistician

Completed Research Support

5K23AG032355 (Han - PI)

07/01/2010 - 06/30/2016

NIH/NIMH

Delirium in the Emergency Department

Role: Biostatistician

5K23AG040157 (Vasilevskis - PI)

08/01/2011 - 06/30/2016

NIH/NIA

Predicting Acute Brain Dysfunction in Older Patients: A Quality Improvement Tool

Role: Biostatistician

VUMC4306 (Ely) 05/01/2014 – 04/30/2015

HCA, Inc.
"ABCDE Pilot"
Role: Biostatistician

5R03AG045095-02 (Brummel - PI)

09/01/2013 - 07/31/2015

NIH/NIA

Early Prediction of Long-Term Cognitive Impairment Following Critical Illness

Role: Biostatistician

Evaluation of Tennessee's Title IV-E Waiver (Epstein-PI)

03/03/2014-03/02/2019

State of TN

Tennessee's Title IV-E Waiver Demonstration Evaluation

Role: Biostatistician

PUBLICATIONS AND PRESENTATIONS

Articles in Refereed Journals

1. **2008** A Chirumamilla, MF Wilson, GE Wilding, **R Chandrasekhar**, H Ashraf. Outcome of renal insufficiency patients undergoing coronary artery bypass graft surgery. (2008). Cardiology, 111(1): 23-29.

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- 2. **2009 R Chandrasekhar,** JC Miecznikowski, DP Gaile, V Govindaraju, FV Bright, KF Sellers. Xerogel Package. (2009). Chemometrics and Intelligent Laboratory Systems, 96(1): 70-74.
- 3. **2009** T Khoury, A Arshad, P Bogner, N Ramnath, S Zhang, **R Chandrasekhar**, GE Wilding, S Alrawi, D Tan. Apoptotsis-Related (Survivin, Bcl-2), Tumor Suppressor Gene (p53), Proliferation (Ki-67) and Non-Receptor Tyrosine Kinase (Src) Markers Expression and Correlation with Clinicopathologic Variables in 60 Thymic Neoplasms: Tissue Microarray Study. (2009). Chest, 136(1): 220 228.
- 4. **2009** KA Guru, A Hussain, **R Chandrasekhar**, P Piacente, M Bienko, M Glasgow, W Underwood, GE Wilding, JL Mohler, M Menon, JO Peabody. Current status of robot-assisted surgery in urology: a multi-national survey of 297 urologic surgeons. (2009). The Canadian Journal of Urology, 16(4): 4736 4741.
- 5. **2009** SS Singh, DC Mehedint, OH Ford III, DA Jeyaraj, EA Pop, SJ Maygarden, A Ivanova, **R** Chandrasekhar, GE Wilding, JL Mohler. Comparison of TUNEL, Caspase-3 and ACINUS as Apoptotic Markers in Determination of Tumor Growth Rates of Clinically Localized Prostate Cancer using Image Analysis. (2009). The Prostate, 69(15): 1603 1610.
- 6. **2009** BE Yuh, J Ciccone, **R Chandrasekhar**, Butt ZM, GE Wilding, HL Kim, JL Mohler, KA Guru. Impact of Previous Abdominal Surgery on Robot-Assisted Radical Cystectomy. (2009). Journal of the Society of Laparoendoscopic Surgeons, 13(3): 398 405.
- 7. **2009** T Khoury, S Sait, H Hwang, **R Chandrasekhar**, GE Wilding, D Tan, S Kulkarni. Delay to formalin fixation effect on breast biomarkers. (2009). Modern Pathology, 22(11): 1457–1467.
- 8. **2010** O Al-Agha, W Liu, **R Chandrasekhar**, GE Wilding, D Tan, S Alrawi, T Khoury. CD138 (Syndecan 1) in Thymic Neoplasms: Correlation with Various World Health Organization Types and Clinical Outcome. (2010). International Journal of Clinical and Experimental Pathology, 3(3): 280-287.
- 9. **2010** K Salerno May, NI Khushalani, **R Chandrasekhar**, GE Wilding, RV Iyer, WW Ma, L Flaherty BS, RC Russo, MG Fakih, BW Kuvshinoff, JF Gibbs, MM Javle, GY Yang. Analysis of clinical and dosimetric factors associated with change in renal function in patients with gastrointestinal malignancies following chemoradiation to the abdomen. (2010). International Journal of Radiation Oncology Biology Physics, 76(4): 1193-1198.
- 10. **2010** K Salerno May, GY Yang, NI Khushalani, **R Chandrasekhar**, GE Wilding, L Flaherty, RC Russo, JC Warner, JC Yap, RV Iyer, CE Nwogu, SS Yendamuri, HR Nava, D Lamonica, CR Thomas Jr. Association of technetium^{99m} MAG-3 renal scintigraphy with change in creatinine clearance following chemoradiation to the abdomen in patients with gastrointestinal malignancies. (2010). Journal of Gastrointestinal Oncology, 1(1): 7-15.
- 11. **2010** SA Seixas-Mikelus, A Adal, T Kesavadas, G Srimathveeravalli, A Hussain, **R** Chandrasekhar, GE Wilding, KA Guru. Can Image-based Virtual Reality Help Teach Anatomy? (2010). Journal of Endourology, 24(4): 629 634.
- 12. **2010** MH Hayn, A Hussain, AM Mansour, PE Andrews, P Carpentier, E Castle, P Dasgupta, P Rimington, R Thomas, S Khan, A Kibel, H Kim, M Manoharan, M Menon, A Mottrie, D Ornstein, J Peabody, R Pruthi, JP Redorta, L Richstone, F Schanne, H Stricker, P Wiklund, **R Chandrasekhar**, GE Wilding, KA Guru. Standardization of Robot-assisted Radical Cystectomy: Results from the International Robotic Cystectomy Consortium. (2010). European Urology, 58(2): 197 202.
- 13. **2010** SA Seixas-Mikelus, T Kesavadas, G Srimathveeravalli, **R Chandrasekhar**, GE Wilding, KA Guru. Face validation of a novel robotic surgical simulator. Urology. (2010). 76(2): 357 360.
- 14. **2010** GY Yang, K Salerno May, RV Iyer, **R Chandrasekhar**, GE Wilding, SA McCloskey, NI Khushalani, SS Yendamuri, JF Gibbs, MG Fakih, CR Thomas Jr. Renal Atrophy Secondary to Chemoradiotherapy of Abdominal Malignancies. (2010). International Journal of Radiation Oncology Biology Physics, 78(2): 539 546.
- 15. **2010** KA Guru, SA Seixas-Mikelus, A Hussain, AJ Blumenfeld, J Nyquist, **R Chandrasekhar**, GE Wilding. Robot-assisted Intra-corporeal Ileal Conduit: Marionette Technique and Initial Experience at Roswell Park Cancer Institute. (2010). Urology, 76(4): 866-871.
- 16. 2010 B Yuh, A Hussian, R Chandrasekhar, M Bienko, P Piacente, GE Wilding, M Menon, J Peabody, KA Guru. Comparative Analysis of Global Practice Patterns in Urologic Robot-assisted Surgery. (2010). Journal of Endourology, 24(10): 1637-1644.

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- 17. **2010** Qiu J, S Kulkarni, R **Chandrasekhar**, M Rees, K Hyde, GE Wilding, D Tan, T Khoury. Delay to Formalin Fixation Effect on Estrogen and Progesterone Receptors in Breast Cancer: a Study of Three Different Clones. (2010). American Journal of Clinical Pathology, 134: 813 819.
- 18. **2010** NC duPont, **R Chandrasekhar**, GE Wilding, KA Guru. Current trends in robot assisted surgery: A survey of gynecologic oncologists. (2010). International Journal of Medical Robotics and Computer Assisted Surgery, 6(4): 468 472.
- 19. **2011** T Khoury, **R Chandrasekhar**, GE Wilding, D Tan, R Cheney. Tumor eosinophilia combined with an immunohistochemistry panel is useful in the differentiation of type B3 thymoma from thymic carcinoma. (2011). International Journal of Experimental Pathology, 92(2): 87-96.
- 20. **2011** Seixas-Mikelus, AP Stegemann, T Kesavadas, G Srimathveeravalli, G Sathyaseelan, **R** Chandrasekhar, GE Wilding, JO Peabody, KA Guru. Content Validation of a Novel Robotic Surgical Simulator. (2011). British Journal of Urology International, 107: 1130-1135.
- 21. **2011** T Kesavadas, AP Stegemann, G Sathyaseelan, AJ Chowriappa, G Srimathveeravalli, SA Seixas-Mikelus, **R Chandrasekhar**, GE Wilding, KA Guru. Validation of Robotic Surgical Simulator (RoSS). (2011). Studies in Health Technology and Informatics, 163: 274-6.
- 22. **2012** GE Wilding, **R Chandrasekhar**, AD Hutson. A new linear model-based approach for inferences about the mean area under the curve. (2012). Statistics in Medicine. 31(28): 3563-78.
- 23. **2012** T Khoury, FO Ademuyiwa, **R Chandrasekhar**, M Jabbour, A DeLeo, S Ferrone, Y Wang, X Wang. Aldehyde dehydrogenase 1A1 expression in breast cancer is associated with stage, triple negativity, and outcome to neoadjuvant chemotherapy. (2012). Modern Pathology, 25(3): 388-97.
- 24. **2012** AP Stegemann, S Rehman, K Brewer, T Kesavadas, A Hussain, **R Chandrasekhar**, GE Wilding, KA Guru. Short-term Patient Reported Quality of Life After Robot-Assisted Radical Cystectomy Using the Convalescence and Recovery Evaluation. (2012). Urology, 79(6):1274-9.
- 25. **2012** L Monhollen, C Morrison, A Foluso, **R Chandrasekhar**, T Khoury. Pleomorphic lobular carcinoma: A distinctive clinical and molecular breast cancer type. (2012). Histopathology, 61(3):365-77.
- 26. **2012** MA Poch, AP Stegemann, **R Chandrasekhar**, MH Hayn, GE Wilding, KA Guru. Does Body Mass Index Impact the Performance of Robot-Assisted Intracorporeal Urinary Diversion? (2012). Journal of Endourology, 26(7):857-60.
- 27. **2012** NK Malik, K Salerno May, **R Chandrasekhar**, WW Ma, L Flaherty, R Iyer, J Gibbs, B Kuvshinoff, GE Wilding, G Warren, GY Yang. Treatment of Locally Advanced Unresectable Pancreatic Cancer: A 10-year experience. (2012). Journal of Clinical Oncology, 3(4):326-334.
- 28. **2013** R Zoorob, M Buchowski, B Beech, JR Canedo, **R Chandrasekhar**, S Akohue, PC Hull. Healthy Families Study: Design of a Childhood Obesity Prevention Trial for Hispanic Families. (2013). Contemporary Clinical Trials. 35(2):108-21.
- 29. **2013** RA Epstein, WV Bobo, RC Shelton, PG Arbogast, JA Morrow, W Wang, **R Chandrasekhar**, WO Cooper. Increasing use of atypical antipsychotics and anticonvulsants during pregnancy. (2013). Pharmacoepidemiology & Drug Safety, 22(7):794-801.
- 30. **2013** RA Epstein, WV Bobo, PR Martin, JA Morrow, W Wang, **R Chandrasekhar**, WO Cooper. Increasing pregnancy-related use of prescribed opioid analgesics. (2013). Annals of Epidemiology, 23(8):498-503.
- 31. **2013** H Frangoul, E Min, W Wang, **R Chandrasekhar**, C Calder, M Evans, B Manes, K Bruce, V Brown, R Ho, J Domm. Incidence and Risk Factors for Hypogammaglobulinemia in Pediatric Patients Following Allogeneic Stem Cell Transplant. (2013). Bone Marrow Transplantation, 48(11):1456-9.
- 32. **2013** GY Yang, NK Malik, **R Chandrasekhar**, L Flaherty, R Iyer, B Kuvshinoff, J Gibbs, GE Wilding, JF Gibbs, K Salerno May. Change in CA 19-9 levels after chemoradiotherapy predicts survival in patients with locally advanced unresectable pancreatic cancer. (2013). Journal of Gastrointestinal Oncology, 4(4):361-369.

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- 33. **2014** I Kane, T Abramo, M Meredith, A Williams, K Crossman, W Wang, **R Chandrasekhar**. Cerebral r_cSO₂ monitoring in pediatric altered mental status patients. (2014). The American Journal of Emergency Medicine, 32(4):356-62.
- 34. **2014** PJ Yoder, K Bottema-Beutel, T Woynaroski, **R Chandrasekhar**, M Sandbank. Social communication intervention effects vary by dependent variable type in preschoolers with autism spectrum disorders. (2014). Evidence-Based Communication Assessment and Intervention, 7(4): 150-174.
- 35. **2014 R Chandrasekhar,** GE Wilding. A modification of a percentile estimation procedure based on generalized polya urns. (2014). Communications in Statistics Theory and Methods; 2951-2957.
- 36. **2015 R Chandrasekhar**, Shi Y, AD Hutson, GE Wilding. A novel approach to testing for bioequivalence based on modeling the within-period dependence structure. (2015). Journal of Biopharmaceutical Statistics, 25(6):1320-38.
- 37. **2015** AM Yevchak, JH Han, K Doherty, EG Archambault, B Kelly, **R Chandrasekhar**, EW Ely, JL Rudolph. Impaired Arousal in Older Adults Is Associated with Prolonged Hospital Stay and Discharge to Skilled Nursing Facility. (2015). Journal of the American Medical Directors Association, 16(7):586-9.
- 38. **2015 R** Chandrasekhar, Shi Y, AD Hutson, GE Wilding. Likelihood-based inferences about the mean area under a longitudinal curve in the presence of observations subject to limits of detection. (2015). Pharmaceutical Statistics, 14(3):252-61.
- 39. **2015** C Sloan, **R Chandrasekhar**, E Mitchel, W Schaffner, ML Lindegren. Socioeconomic disparities and influenza hospitalizations, Tennessee, USA. (2015). Emerging Infectious Diseases, 21(9):1602-10.
- 40. **2015** RA Epstein, DJ Schlueter, KA Gracey, **R Chandrasekhar**, MJ Cull. Examining placement disruption in child welfare. (2015). Residential Treatment for Children & Youth, 32(3): 224-232.
- 41. **2015** N Brummel, **R Chandrasekhar**, EW Ely. Willie sutton and the future of acute respiratory distress syndrome research. (2015). American Journal of Respiratory Crit Care Med;191(1):10-1.
- 42. **2016** JE Tomichek, JL Stollings, PP Pandharipande, **R Chandrasekhar**, EW Ely, TD Girard. Antipsychotic Prescribing Patterns During and After Critical Illness: A Prospective Cohort Study. (2016). Critical Care: 24; 20(1):378.
- 43. **2016** MB Patel, JC Jackson, A Morandi, TD Girard, CG Hughes, JL Thompson, AL Kiehl, MR Elstad, ML Wasserstein, RB Goodman, JC Beckham, **R Chandrasekhar**, EW Ely, PP Pandharipande. Incidence and Risk Factors for ICU-related Posttraumatic Stress Disorder In Veterans and Civilians. (2016). American Journal of Respiratory and Critical Care Medicine, 193(12): 1373-1381.
- 44. **2016** CG Hughes, PP Pandharipande, JL Thompson, **R Chandrasekhar**, LB Ware, EW Ely, TD Girard. Endothelial Activation and Blood-Brain Barrier Injury as Risk Factors for Delirium in Critically Ill Patients. (2016). Critical Care Medicine, 44(11):2003-2009.
- 45. **2016** BC Norman, JC Jackson, JA Graves, TD Girard, PP Pandharipande, NE Brummel, L Wang, JL Thompson, **R Chandrasekhar**, EW Ely. Employment Outcomes After Critical Illness: An Analysis of the Bringing to Light the Risk Factors and Incidence of Neuropsychological Dysfunction in ICU Survivors Cohort. (2016). Critical Care Medicine; 44(11):2003-2009.
- 46. **2016** SB Boyd, R Upender, AS Walters, RL Goodpaster, JJ Stanley, L Wang, **R Chandrasekhar**. Effective Apnea-Hypopnea Index ("Effective AHI"): A New Measure of Effectiveness for Positive Airway Pressure Therapy. (2016). Sleep; 39(11):1961-1972.
- 47. **2016** HM Kistka, A Nayeri, L Wang, J Dow, **R Chandrasekhar**, LB Chambless. Publication misrepresentation among neurosurgery residency applicants: an increasing problem. (2016). Journal of Neurosurgery; 124(1):193-8.
- 48. **2016** HA Smith, M Gangopadhyay, CM Goben, NL Jacobowski, MH Chestnut, S Savage, MT Rutherford, D Denton, JL Thompson, **R Chandrasekhar**, M Acton, J Newman, HP Noori, MK Terrell, SR Williams, K Griffith, TJ Cooper, EW Ely, DC Fuchs, PP Pandharipande. The Preschool Confusion Assessment Method for the ICU: Valid and Reliable Delirium

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Computational Packages

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