

# CURRICULUM VITAE

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## Ayumi K. Shintani, Ph.D., M.P.H.

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### DOCTORAL DISSERTATION:

**Title:** Modeling the emergence of drug-resistant mutants: implications for treatment strategies for HIV-1 infection  
**Advisors:** Robert Makuch, Ph.D.; Hongyu Zhao, Ph.D.; Edward Kaplan, Ph.D.

### EDUCATION:

03/91 Bachelor of Science in Mathematics  
Nara Women's University, Nara, Japan

05/96 Master of Public Health in Biostatistics (awarded with distinction)  
Yale University, New Haven, CT

05/99 Master of Philosophy in Biostatistics  
Yale University, New Haven, CT

05/00 Doctor of Philosophy in Biostatistics  
Yale University, New Haven, CT

### ACADEMIC HONORS:

#### Undergraduate:

04/87 – 03/90 Nara Women's University tuition scholarship  
04/87 – 04/91 Ikuei-kai scholarship

#### Graduate School:

09/96 – 05/99 Tuition scholarship, Yale University  
09/99 – 05/00 One-year advanced standing tuition scholarship, Yale University

### TRAINING:

05/95 – 08/95 Summer intern, Cooperative Studies Program Coordinating Center (CSPCC),  
Veterans Affairs (VA) Medical Center, West Haven, CT

08/95 – 11/99 Biostatistician, CSPCC, VA Medical Center, West Haven, CT

05/00 – 12/00 Post-doctoral fellow, CSPCC, VA Medical Center, West Haven, CT

**ACADEMIC APPOINTMENTS:**

01/01 – 09/04 Assistant professor, Division of General Internal Medicine, Department of Medicine, Vanderbilt University School of Medicine

09/04 – 09/07 Research assistant professor  
Department of Biostatistics  
Department of Medicine  
Cancer Biostatistics Center  
Vanderbilt University School of Medicine

10/07 – Present Associate professor  
Department of Biostatistics  
Department of Medicine, Cancer Biostatistics Center  
Division of Cancer Biostatistics, Biostatistics Shared Resource  
Center of Quantitative Research  
Vanderbilt University School of Medicine

04/03 – Present Adjunct Associate Professor, School of Medicine, Tokai University Hospital, Kanagawa, Japan.

04/11 – Present Visiting Associate Professor, School of Medicine, Kyoto University Hospital  
Kyoto, Japan

**PROFESSIONAL ORGANIZATIONS:**

International Biometric Society

**PROFESSIONAL ACTIVITIES:**

**Intramural Services:**

01/01 – Present Member, Center for Health Services Research, Vanderbilt University Medical Center

01/01 – Present Member, Vanderbilt Ingram Cancer Center (VICC), Biostatistics Resource

01/01 – 09/04 Director, Biostatistics Core, Center for Health Services Research, Vanderbilt University Medical Center

07/02 – 09/04 Member, Executive Committee, Center for Health Services Research, Vanderbilt University School of Medicine

09/03 – 06/05 Secretary, DSMB for *Asthma Disparities in Cohorts at Risk for Morbidity*, James Sheller, M.D., principal investigator

### **Intramural Seminars and Lectures:**

11/01	Observational Studies, VICC Biostatistics Resource
12/01	Observational Studies, General Clinical Research Center (GCRC) Weekly Seminar
09/02	Survival Analysis (2 series), GCRC Weekly Seminar
11/02	Multivariate ANOVA (3 series), GCRC Weekly Seminar
02/03	Generalized Estimating Equations, guest lecture for the Master of Science in Clinical Investigation (MSCI) course, Biostatistics II
02/03	Generalized Estimating Equations, GCRC Weekly Seminar
09/03	Assessment of Confounders and Interactions using Subgroup Analyses and Logistic Regressions, guest lecture for the MSCI course, Biostatistics I
09/03	Survival Analysis, guest lecture for the MSCI course, Biostatistics I
11/03	Introduction to SAS programming (2 lectures), GCRC Weekly Seminar
12/04	Observational Studies, Center for AIDS Research (CFAR) Lecture, Division of Infectious Disease
12/04	Designing and Conducting Clinical Trials, CFAR Lecture, Division of Infectious Disease
06/04	Longitudinal Data Analysis (2 lectures), GCRC Weekly Seminar
04/05	Longitudinal Data Analysis, GCRC Weekly Seminar
09/05	Graphical Techniques, guest lecture for the MSCI course, Biostatistics I
04/06	Power Analysis and Sample Size Computation for Paired and Skewed Data, GCRC Weekly Seminar
05/06	Multivariable Modeling Strategy, Department of Biostatistics, Continuing Education for MS Biostatisticians
05/06	Adjusting for the Onset of a Risk Factor Analyzing Common Clinical Outcomes: Application to the Stanford Heart Study and ICU Delirium Study, Department of Biostatistics, Weekly Seminar
04/08	Power Analysis and Sample Size Computation for Paired and Skewed Data, GCRC Weekly Seminar

- 01/09 Power Analysis and Sample Size Computation for Paired and Skewed Data, VICC  
Biostatistics Resource
- 01/10 Power Analysis and Sample Size Computation for Paired and Skewed Data, VICC  
Biostatistics Resource
- 01/10 to Present Biostatistics Weekly Journal Club
- 01/11 Power Analysis and Sample Size Computation for Paired and Skewed Data, Cancer  
Biostatistics Annural Seminar
- 02/12 Power Analysis and Sample Size Computation for Paired and Skewed Data, VICC  
Biostatistics Resource

### **Extramural (Invited Lectureships, Seminars, Presentations and Symposia)**

- 09/00                   Invited speaker: Modeling the Emergence of Drug-Resistant Mutants: Implication for Treatment Strategies for HIV-1 Infection. Presented to: Middle Tennessee Chapter, American Statistical Association, Nashville, TN.
- 12/02                   Invited speaker: Practical Issues for Conducting and Reporting Clinical Trials. Presented at: Tokai University Medical Association, Isehara, Japan.
- 06/05                   Invited speaker: Observation Studies: Designs and Issues. Presented at: Tokai University Medical Association, Isehara, Japan.
- 06/05                   Contributed to the Japanese government's grant award (a total of 5 million dollars) to establish the nation's first Master of Science program in clinical research training (Master of Clinical Biomedical Science) at Tokai University Hospital, Isehara, Japan.
- 07/06                   Invited speaker: Power Analysis and Sample Size Computation. Presented at: Tokai University Medical Association, Isehara, Japan.
- 07/06                   Co-director, Data Analysis Core, Center of Anti-Aging Research Center, Tokai University Hospital, Isehara, Japan.
- 12/06                   Invited speaker: Elementary Statistical Tests. Presented at: Tokai University Medical Association, Isehara, Japan.
- 3/07                    Oral presentation: Impact of Failure to Properly Adjust for Onset of a Time-Dependent Exposure. Presented at: Eastern North American Region/ International Biometric Society Meetings, Atlanta, Georgia, March 2007.
- 07/07                   Seminar Series: Elementary Statistical Tests, Power Analysis and Sample Size Computation, Experimental Research Design, and Observational Research Design as part of the Master of Clinical Biomedical Science Program, Tokai University Hospital, Isehara, Japan
- 12/07                   Seminar: Analyzing Data from RCT. Presented at: CMIC Co. Ltd., Tokyo, Japan
- 07/08                   Selecting proper statistical tests, Sample size and power analysis, Elementary statistical analysis. Tokai University Hospital, Isehara, Japan
- 07/09                   Seminar: Analyzing Data from RCT. Presented at: CMIC Co. Ltd., Tokyo, Japan
- 01/11                   Member of Data Monitoring Committee, VA-CSP # 566: Neuropsychological and Mental Health Outcomes of Operation Iraqi Freedom (OIF): A Longitudinal Cohort Study

- 01/11 Member of Data Safety and Monitoring Committee, Pharmacological Management of Delirium, Indiana University
- 06/11 Analyzing data in ICU research, Yamaguchi University, Division of Intensive Care, Yamaguchi, Japan
- 07/11 Analyzing data in RCT and basic statistical concepts, Baxtar Pharmaceutical, Tokyo, Japan
- 07/11 Analyzing data in RCT and basic statistical concepts, Japan Tobacco Pharmaceutical Division, Tokyo, Japan
- 07/11 Analyzing data in RCT and basic statistical concepts, PPCJ Co. Tokyo, Japan
- 07/11 Analyzing data in RCT and basic statistical concepts, Wakamoto Pharmaceutical Co. Ltd. Kanagawa, Japan
- 07/11 Interim monitoring and Bayesian concepts, Faculty Skill Development Seminar, Tokai University Medical School, Kanagawa, Japan
- 07/11 Selecting proper statistical tests and concept of confounding, Lecture in Graduate Program in Medicine, Tokai University Medical School, Kanagawa, Japan
- 07/11 Generalized Linear Models, Mixed Effect Regression, Cox with Time-varying covariates, Kyoto University Medical School, Kyoto, Japan
- 07/11 Analyzing data in observational studies, Shionogi Co. Ltd. Osaka, Japan
- 06/12 Analyzing data in RCT and Observational studies, Baxtar Pharmaceutical, Tokyo, Japan
- 06/12 Analyzing observational studies: Use of Propensity Score Analysis, Tokai University Medical School, Kanagawa Japan
- 07/12 Comparing RCT vs Observational studies: Use of Propensity Score Analysis, Instrumental variable analysis, Shionogi Co. Ltd. Osaka, Japan
- 07/12 Survival Analysis from Kaplan-Meier graph to Cox regression, Kyoto University, Master of Clinical Research Program  
Data analysis in R  
Analyzing observational data: Propensity score, Instrumental variable method  
Kyoto University, Kyoto Japan
- 07/12 Basic statistical concepts in analyzing critical care data.  
Advanced Statistical concepts in analyzing critical care data. Special Educational Lectures, The 34th Annual Meeting of the Japan Society of Respiratory Care Medicine, Okinawa Japan

**JOURNAL REVIEWER:** Annals of Internal Medicine, Archives of Internal Medicine  
Journal of the American Geriatric Society, Intensive Care Medicine  
Clinical Chemistry, American Journal of Epidemiology, Journal of Clinical  
Epidemiology, JAMA

## **TEACHING ACTIVITIES:**

- 01/00-05/00 Course instructor, Advanced Statistics in Nursing Research, 3 credit-hour required course for doctoral students in Yale University School of Nursing, New Haven, CT.
- 02/04 - Present Course instructor, Biostatistics II (MSCI 524-5015), 4 credit-hour required course for the Master of Science in Clinical Investigation program, Vanderbilt University School of Medicine. Six 3-hour lectures were taught in February 2004, twenty 3-hour lectures in February 2005, twenty 3-hour lectures in February 2006, twenty 3-hour lectures in February 2007. twenty 3-hour lectures in February 2008, twenty 3-hour lectures in February 2009
- 10/08 – 10/09 Course instructor, Epidemiology I. 4 credit-hour required course for the Master of Science in Clinical Investigation program, Vanderbilt University School of Medicine. eleven 3-hour lectures were taught in October 2008
- 12/05 – 8/09 Course instructor, Biostatistics I, 4 course for the Master of Clinical Biomedical Science (MCBS), Tokai University Hospital, Isehara, Japan. Twenty 3-hour lectures were taught in December 2005, December 2006, and December 2007, June 2008
- 07/06 – 8/09 Course instructor, Biostatistics II, 4 credit-hour required course for the Master of Clinical Biomedical Science (MCBS), Tokai University Hospital, Isehara, Japan. Twenty 3-hour lectures were taught in July 2006, July 2007, July 2008

## **TEACHING AWARDS AND HONORS:**

- 2005 Teaching award from Master of Clinical Investigation Program for the academic year 2004-2005
- 2012 Selected for membership to Vanderbilt Academy of Teaching Excellence.\
- Note: Selection for Academy membership is considered an honor and brings with it the recognition that a faculty member is among the best-of-the-best medical educators at the VUMC. Thus as a baseline, each Academy member is already actively using his/her proven skills as an educator in his/her place of service.

## **MENTEES:**

Tebib Gebretsadik, M.P.H.  
Associate in Biostatistics, Department of Biostatistics  
Training period: 2003 – Present  
Research focus: Advancing Methodology of Biostatistics in Health Services Research

Jennifer Thompson, M.P.H.  
Biostatistician II, Department of Biostatistics  
Training period: 2005 – Present  
Research focus: Data Analysis in Critical Care Medicine

Svetlana Eden, MS  
Biostatistician III, Department of Biostatistics  
Training period: 2008 – Present.



Research focus: Data Analysis in Critical Care Medicine and Health Literacy

Aihua Bian, MPH

Biostatistician II, Department of Biostatistics

Training period: 2009 – Present.

Research focus: Data Analysis in Laboratory Science and Clinical Epidemiology in General Nephrology

Amy Graves, MS

Biostatistician II, Department of Biostatistics

Training period: 2011 – Present.

Research focus: Data Analysis in Critical Care Medicine

Ning Cheng, MS

Biostatistician II, Department of Biostatistics

Training period: 2011 – Present.

Research focus: Data Analysis in Pharmaco-epidemiology

## RESEARCH PROGRAMS:

### ACTIVE

**5RC2 HL10816-02 (Brown)**

09/30/2009-09/29/2011

0.60 calendar months

NIH

\$980,000

*Inflammation/Oxidation, Omega-3s, & Post-Op AFib & Cognitive Decline*

The goal of this subcontract is to provide Oxidative Stress and Inflammation Biomarker Analysis Core, leveraging the discovery, experience and resources in measuring biomarkers of oxidative stress inflammation.

**5K24 DK077875-03 (Elasz)**

05/01/2008-04/30/2013

1.20 calendar months

NIDDKD

\$128,471

*Longitudinal Diabetes Care*

This proposal addresses a line of inquiry regarding an optimal diabetes care required to sustain optimal longitudinal diabetes care. Employing a randomized clinical trial the study addresses four specific aims. 1)To assess the relative effectiveness of 3 management approaches, varying in intensity, for preventing glycemic relapse after acceptable glycemic control is achieved; 2)To determine patient characteristics and behaviors that are prospectively predictive of successful relapse prevention in order to better understand the target group most likely to respond to a given maintenance plan; 3)To determine prospectively the predictors of failure to prevent glycemic relapse so as to better identify subgroups in need of alternate maintenance strategies; 4)To determine the differences in activity cost between intervention arms using activity based accounting.

**5R01AG027472-05 (Ely)**

08/01/2010-06/30/2011

0.24 calendar months

NIA

\$385,254

*The Mind ICU Study*

This study will examine whether duration of delirium is an independent risk factor for the incidence, severity and/or duration of long-term cognitive impairment and impaired health-related quality of life in

ICU survivors. It will further seek to determine whether degree of exposure to sedative and analgesic medications in ICU patients is an independent risk factor for the incidence, severity, and or duration of long-term cognitive impairment in patients and impaired health-related quality of life. The study also will attempt to determine the relationship between long-term cognitive impairment and health-related quality of life, including "real world" outcomes such as return to work or usual life activities. This study will pave the way for development of preventive and/or treatment strategies to reduce long-term cognitive impairment and improve the functional recovery of older and younger ICU patients for decades to come

**1R01AG035117-01A1 (Ely)** 03/15/2011-02/29/2012 0.36 calendar months  
 NIA \$1,039,197

*The Mind USA Study*

Millions of critically ill patients every year develop confusion (delirium) while in Intensive Care Units (ICUs), and though a large portion of these patients go undetected and untreated, ICU teams most often use typical and atypical antipsychotics to treat such patients despite no support from placebo-controlled trials. The MIND-USA trial will be the first study ever to answer the question of whether haloperidol or an atypical antipsychotic (ziprasidone) is better or worse than a placebo as treatment for delirious medical and surgical ICU patients. This investigation will determine if either haloperidol or ziprasidone shorten delirium duration, improve survival, affect length of stay in the hospital, or improve long-term brain function and quality of life at 1-year follow-up.

**Merit Review (Ely)** 11/01/2009-10/31/2011 1.80 calendar months  
 Department of Veterans Affairs \$29,362

*The Mind ICU Study: Delirium and Dementia in Veterans Surviving ICU Care*

The ramifications of ICU-accelerated dementia and deficits in HRQL are particularly critical for the Veterans Administration, considering that veterans over the age of 85 are expected to triple over the next 5 years, a growth peak 20 years in advance of that projected for the general U.S. population. This investigation will determine if delirium and psychoactive drug exposure are independent determinants of long term cognitive impairment and quality of life in veterans with interactions being considered for post traumatic stress disorder and baseline neuropsychological deficits such as mild cognitive impairment or early dementia. The Veterans Administration is a unique site in which to conduct such a cohort study in that many veterans will have undergone pre-ICU neuropsychological testing with which we can compare post-ICU testing results.

**1K23AG032355-01A2 (Han)** 07/01/2010-06/30/2015 0.60 calendar months  
 NIA \$137,975

*Delirium in the Emergency Department: Novel Screening and Natural Course*

The major goal of this project is to develop ED-based delirium interventions. These interventions will emphasize early diagnosis and treatment of delirium in the ED, and will potentially have a profound impact in the way ED cares for older adults.

5R21 AT003844-03 (Ikizler) 06/01/2008-05/31/2012 0.60 calendar months  
 NIDDK \$148,500

*Omega-3 Fatty Acid Administration*

The overall goal of this project is to examine the role of EPS supplementation in ameliorating the inflammatory state of uremia and the related muscle protein catabolism associated with this disease state.

5R01 HL07923-02 (Ikizler) 09/05/2009-06/30/2013 0.60 calendar months  
University of Washington Sub award \$114,613

*Oxidative Stress in CKD*

The central aim of this proposal is to improve understanding of how metabolic pathways that contribute to adiposity also amplify risks of kidney disease progression and cardiovascular disease in subjects with moderate to severe CKD.

5K23 AG0331322-03 (Jackson) 09/15/2008-08/31/2013 0.24 calendar months  
NIH/NIA \$99,498

*Executive Dysfunction and Functional Impairment in Elderly ICU Survivors*

The goals of this project are to understand the mechanisms of brain injury following critical illness, identify modifiable risk factors for the development of ExD, and identify the specific and unique cognitive disabilities associated with persistent functional impairment.

3P30 CA068485-13 (Pietenpol) 09/28/2004-08/31/2015 0.60 calendar months  
NIH/NCI \$3,566,092

*Cancer Center Support Grant*

The Vanderbilt Cancer Center Core grant's specific authorities and responsibilities are: (1) to coordinate and integrate the cancer and cancer-related activities of Vanderbilt (2) to conduct, support and enhance cancer research and to integrate cancer-related research throughout the University (3) to integrate, develop, and conduct cancer education programs (4) to coordinate and integrate the care of cancer patients at Vanderbilt and Veterans Administration Medical Center.

11051481 (Elasy) 07/01/2011-06/30/2012 1.20 calendar months  
NIDDKD \$585,291

Vanderbilt Center for Diabetes Translation Research

The major goals of this project are to incorporate what we learn into new tools for patient assessment and intervention in diabetes prevention, control, clinical research, and health disparities.

5R01 HD059794-03 (Rothman) 01/05/2009-12/31/2013 0.30 calendar months  
NICHD \$448,778

*Addressing Health Literacy and Numeracy to Prevent Childhood Obesity*

The study is a multi-site randomized, controlled trial to assess the efficacy of a low-literacy/numeracy-oriented intervention designed to promote healthy family lifestyles and to prevent early childhood obesity.

1R18DK083264-01A2 (Rothman) 07/15/2010-06/30/2011 0.36 calendar months  
NIDDKD \$427,630

*Public-Private Partnership Addressing Literacy-Numeracy to Improve Diabetes Care*

The goal of this study is to be a partnership with the Tennessee Department of Health to improve care for vulnerable English and Spanish speaking patients with diabetes by improving health care providers' health communication skills, and providing a novel diabetes education toolkit that is sensitive to literacy and numeracy issues.

5R01 HL087254-04 (Stein) 09/30/2007-07/31/2012 0.30 calendar months  
NIH/NHLBI \$486,094

*Fish Oil for Atrial Fibrillation-Effect and Mechanisms*

The overall goal of this project is to define the interplay between inflammation, oxidative stress, fibrosis and atrial fibrillation by addressing the hypothesis that fish oil reduces the recurrence of atrial fibrillation through and anti-inflammatory, antibiotic and antioxidant mechanisms. Dr Morrow is a co-investigator.

**5P60 AR056116-03 (Stein)** 08/01/2008-07/31/2013 0.60 calendar months  
 NIAMS \$852,552  
*Vanderbilt Multidisciplinary Clinical Research Center*

The goal of this project is to promote and foster multidisciplinary clinical research in rheumatic diseases by leveraging institutional training and research resources.

**11072040 (Miller-Hughes,)** 07/01/2011-06/30/2012 0.54 calendar months  
 Bristol-Myers Squibb Foundation \$8,167  
 Partnering to Reduce the Diabetes/Obesity Burden in African American Women

**11072138 (Cavanaugh)** 07/01/2011-06/30/2012 0.60 calendar months  
 ASN \$84,425  
 Targeting Social Determinants to Improve Chronic Kidney Disease Core

**11082429 (Cavanaugh)** 09/01/2011-08/31/2012 0.12 calendar months  
 NIDDKD \$50,000  
 Facilitating Anemia Treatment Risk Communication for Patients with Kidney Disease

**PENDING**

**VUMC36982 (Ikizler)** 08/01/2010-07/31/2012  
 VA  
 VA/IPA Phyllis Egbert

**1R01HD073695 (Cooper)** 7/01/2012-06/30/2016 1.20 calendar months  
 NIH/NICHHD \$574,087  
 In Utero Exposure to Opioid Medications and Congenital Malformations

The goal of this project is to assess the risk of specific congenital malformations related to in utero exposure to opioid medications.

**R01 (Linton)** 12/01/2012-11/30/2017 1.20 calendar months  
 NIH \$1,515,000  
 HDL Function in Human Disease

The goal of this research is to define the mechanism for HDL dysfunction in three distinct diseases.

**2R01HL065082-10 (Stein)** 07/01/2012-06/30/2017 0.60 calendar months  
 NIH/NHLBI \$250,000  
 Inflammation and the Heart

The proposed studies will provide new information regarding the mechanistic relationships between inflammation and heart failure, and will suggest strategies for reversing or preventing such damage in RA, and potentially also in the general population, early in the pathogenesis of the disease, before clinical heart failure occurs.

**P50DK044757 (Fogo)** 07/01/2012-06/30/2017 0.30 calendar months  
NIH/NIDDKD \$927,430

Fibrotic Sequelae of Childhood Renal Diseases

The interrelated projects will examine new insights to explore specific therapies and mechanisms to decrease scarring and adverse consequences of chronic kidney scarring.

**1R01 (Pandharipande)** 12/01/2011-11/30/2012 0.60 calendar months  
NIH \$552,226

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

**ENDED:**

**1 R21 AT003844-02 Ikizler (PI)** 06/01/2008-05/31/2011  
NIDDK

Omega-3 Fatty Acid Administration

The overall goal of this project is to examine the role of EPS supplementatin in ameliorating the inflammatory state of uremia and the related muscle protein catabolism associated with this disease state.

**1 U01 DK082192-01 Ikizler (PI)** 09/11/2008-06/30/2013  
NIDDK

Impact of Acute Kidney Injury on Kidney Disease Progression

The major goals of this grant application are to understand the impact of acute kidney injury on progression of chronic kidney disease and development of cardiovascular disease.

**Hartford/AFAR Beeson Collaborative**

Research Award Ely(PI) 08/01/2007-07/31/2009

The Cognitive and Physical Rehabilitation of Survivors of Critical Illness: Randomized Clinical Trial of In-Home Rehabilitation

**Research & Education (Rothman)** 01/01/2008-08/30/2008  
Assessing the Role of Nutrition Education and Health Literacy in Diabetes Care

**1 R21 DK077373-01 Hung (PI)** 07/01/2007-06/30/2009  
NIH/NIDDK

Inflammation, Proteolysis and IL-1Beta Receptor Inhibition in CHD patients

Role: Co-Investigator

**1R01 MH071205-01A1 (Haas)** 05/12/05-04/30/10  
NIH/NIMH

CNS Viral Dynamics in Cellular Immunity during AIDS

The major goals of this project are to investigate relationships between intrathecal viral replication, anti-HIV cytotoxic T lymphocyte (CTL) responses, microglial activation/proliferatin, and neuronal loss in persons living with HIV.

**2P30 CA 068485-10 (Dubios)** 09/01/04-08/31/09  
 NIH/NCI  
 Cancer Center Support Grant  
 The Vanderbilt Cancer Center Core grant's specific authorities and responsibilities are: (1) to coordinate and integrate the cancer and cancer-related activities of Vanderbilt (2) to conduct, support and enhance cancer research and to integrate cancer-related research throughout the University (3) to integrate, develop, and conduct cancer education programs (4) to coordinate and integrate the care of cancer patients at Vanderbilt and Veterans Administration Medical Center.  
 Role: Co-Investigator

**K23 AT002508-01 (Hulgan)** 07/01/04-06/30/09  
 NIH/NCCAM  
 Oxidant Stress and Antioxidants during HIV Therapy  
 The major goals of this project are to investigate whether increased oxidant stress resulting from NRTI-induced mitochondrial dysfunction is a critical step in the pathway to NRTI toxicity.

**R18 DK62258 (Elasy)** 04/01/03-03/31/07  
 NIH/NIDDK  
 Glycemic Relapse Prevention: Maintenance Dose Assessment  
 The purpose of this study is to investigate the efficacy of maintenance of dose assessment on glycemic relapse prevention.  
 Role: Co-Investigator

**5P60 DK020593-33 (Powers)** 04/01/2010-03/31/2012 1.80 calendar months  
 NIH/NIDDK \$1,421,661  
 Diabetes Research and Training Center

**5R01 DK037868-23 (Ichikawa)** 09/01/2007-05/31/2011 0.48 calendar months  
 NIDDKD \$257,855  
 Immune Non-Immune Bases of Renal Disease

This project will study unique mutant mouse models and not merely document the dying process of scarring glomeruli but also identify the clue to the effective measure of intervening in the process of glomerular scarring. Remarkable protection against injury has been observed in mutant models when kidney work, i.e. filtration, was transiently put to rest.

**5R01 HL065082-09 (Stein)** 02/01/2006-01/31/2012 0.60 calendar months  
 NIH/NHLBI \$218,475  
 Vascular Damage in SLE  
 The major goals of this project are to investigate a basic understanding of the interrelationship between inflammation, oxidative stress, genetic polymorphism, and vascular damage in systemic lupus erythematosus (SLE).

**5R01 DK037868-23 (Ichikawa)** 09/01/2007-05/31/2011 0.48 calendar months  
 NIDDKD \$257,855  
 Immune Non-Immune Bases of Renal Disease

This project will study unique mutant mouse models and not merely document the dying process of scarring glomeruli but also identify the clue to the effective measure of intervening in the process of glomerular scarring. Remarkable protection against injury has been observed in mutant models when kidney work, i.e. filtration, was transiently put to rest.

**5 R01 CA97386-01/02/03/04 (Zheng)** 09/01/2002-08/31/2007 0.60 calendar months  
NIH/NCI \$563,889

Tumor Markers and Recurrent Adenomas: A Follow-Up Study

The major goals of this project are to investigate predictors for the risk of developing metachronous colorectal adenomas among adenoma patients after their initial polypectomy.

**5 R01 HL067964-04 (Stein)** 09/01/2001-07/31/2007 0.6 calendar months  
NIH/NHLBI \$225,000

Atherosclerosis in RA

The primary aim of this project is to test the hypothesis that treatment with a PPAR $\gamma$  agonist, pioglitazone, will decrease inflammation and improve insulin sensitivity and vascular stiffness in patients with RA.

**5 R01 DK045604-11 (Ikizler)** 01/01/2006-03/31/2007 0.60 calendar months  
NIH/NIDDK \$150,000

Malnutrition in Dialysis Patients

The aim of this study is to identify the mechanism(s) by which CHD patients lose muscle mass and test certain interventions that will either prevent whole-body and muscle protein breakdown or enhance muscle growth.

**5 K23 AG01023-05 (Ely)** 08/01/2001-07/31/2006 2.40 calendar months  
NIH/NIA \$115,225

Cognitive Impairment in the ICU: Evaluation and Outcomes

The major goals of this project are to investigate the effect of delirium induced in the ICU for risk of prolonged hospital stays, institutionalization, and death.

**1 K23 AG01023-01A1 (Ely)** 08/01/01 – 7/31/06 2.40 calendar months  
*NIH NIA 4043830641* \$115,225

Cognitive Impairment in the ICU: Evaluation and Outcomes

This study examines the multiple risk factors for cognitive impairment in ICU patients and their interactions with recovery from acute respiratory failure, as well as protocol development to optimize the delivery of psychoactive medications in conjunction with weaning from mechanical ventilation.

**1 R01 CA92653-01/02 (Dittus)** 04/01/02 – 3/31/05 0.60 calendar months  
*4043570021* \$205,012

Simulation Modeling of Colorectal Cancer

The major goals of this project are to build a new and more powerful discrete-event simulation model based on an existing validated computer model of the natural history of colorectal neoplasia to address questions concerning the clinical outcomes, cost, effectiveness, cost-effectiveness, and resource utilization for various colorectal cancer control strategies.

**5 R01 HL067964-01/02/03 (Stein)** 09/01/01 – 07/31/06 0.60 calendar months  
*4043420121* \$225,000

#### Atherosclerosis in RA

The purpose of this project is to test the hypothesis that the rate of progression of coronary artery atherosclerosis in patients with RA is more rapid than that of controls and is associated with inflammation, vascular stiffness, and the metabolic syndrome.

**RO3 CA89842 (Fowke)** 8/1/01-1/31/03 1.20 calendar months  
\$50,000

#### Isothiocyanate Excretion, Brassica, and Breast Cancer Risk

This project investigates the relationship between a urinary marker of Cruciferae vegetable intake (isothiocyanates), glutathione S-transferase genotypes, and breast cancer risk in a case-control study of women living in Shanghai, China.

**RO1 CA72784 (Zheng, Wei)** 01/14/97 – 01/31/02 1.20 calendar months  
NIH \$246,573

#### Evaluation of Predictors for Recurrent Adenomas

The major goals of this project are to investigate predictors for the risk of developing metachronous colorectal adenomas among adenoma patients after their initial polypectomy.

**BEESON (Ely)** 07/01/01 - 06/30/02 2.40 calendar months  
\$437,616

#### American Federation for Aging Research (AFAR)

Risk factors & prognosis of delirium in intensive care unit patients

**KO8 AI01582 (Hartert)** 2/1/99-1/31/04 0.60 calendar months  
\$112,175

#### Medication Use in Assessing and Improving Asthma Control

The major goals of this project are to investigate the effect of medication use in assessing and improving asthma control.

**RO1 HL65193 (Brown)** 08/01/00-07/31/04 0.60 calendar months  
\$175,000

#### Genes and Fibrinolytic Capacity of Human Endothelium

The purpose of this grant is to test the hypothesis that genetic or pharmacological factors that decrease ACE activity favorably alter cardiovascular morbidity and mortality by enhancing the effect of bradykinin on fibrinolytic balance.

**1 P30 Ai54999-01 (D'Aquila)** 05/01/03 – 04/30/06 0.60 calendar months  
4043621791 \$544,494

#### Vanderbilt Meharry Development CFAR

The objective in this study is to build infrastructure and collaborations that will enhance HIV/AIDS research at both institutions.

**RO1 HL60906 (Brown)** 08/01/02-07/31/07 0.60 calendar months  
\$354,382

#### Renin-Angiotensin and Fibrinolysis Interaction in Humans

The long-term objective of this project is to test the hypothesis that Ang II and bradykinin modulate fibrinolysis in humans. Dr. Brown serves as Co-Investigator.

Note: Effort was transferred to Dr. Chang Yu as of 10/04

**RO1 HL67308 (Brown)** 07/01/02-06/30/07 0.60 calendar months



\$250,000

PAI-1 and the Vascular Toxicity of Aldosterone

To purpose of this grant is to test the hypothesis that aldosterone contributes to the vascular toxicity associated with activation of the RAAS by modulating the effects of Ang II on fibrinolytic balance.

Note: Effort was transferred to Dr. Chang Yu as of 10/04

**There grants were awarded though, Dr. Shintani's effort is not supported by the followings:**

**1K23DK088964-01A1 (Siew)** 08/01/2011-07/31/2014 0.0 calendar months  
NIH/NIDDKD \$160,160

*Diagnostic and Prognostic Relevance of Acute Kidney Injury Biomarkers in the ICU*

The proposed research plan will further define the role of promising candidate markers in providing additional pathophysiologic insight, enhancing risk stratification, and facilitating clinical trial enrollment.

**1K23AG040157-01 (Vasilevskis)** 08/01/2011 06/30/2016 0.0 calendar months  
NIH/NIA \$112,750

*Predicting Acute Brain Dysfunction in Older Patients: A Quality Improvement Too*

This proposal describes a career development plan that enables me to develop expertise in acute brain dysfunction, build dynamic prediction modeling tools for innovative quality measures, and develop informatics skills for future implementation studies.

**1K23AI091692-01A1 (Fiske)** 07/01/2011 06/30/2016 0.60 calendar months  
NIH/NIAID \$117,971

*Toll-like Receptor 2, Vitamin D, and Extrapulmonary Tuberculosis*

In this study, two Specific Aims will be addressed: (1) to evaluate the quantity and function of TLR2 in persons with previous extrapulmonary TB and (2) to measure the quantity and function of the vitamin D receptor and vitamin-D mediated immune activation in persons with previous extrapulmonary TB.

**1K23GM100183-01 (Birdwell)** 09/20/2011-08/31/2016  
NIH/NIGMS \$174,500

*Pharmacogenomics of Tacrolimus and New Onset Diabetes After Kidney Transplant*

The purpose of the K23 application is to develop myself into a successful independent investigator conducting patient-oriented research in transplant pharmacogenomics.

**Dr. Shintani contributed to the award of the following grants whose efforts have been transferred to other faculty of the Department of Biostatistics:**

**5P50 CA95103-03 (Coffey)** 9/24/2002 – 4/30/2007 1.2 calendar  
\$1,626,528

The SPORE in GI Cancer

**5P50 HL081009 (Vaughan)** 3/1/2007 – 2/28/2012  
\$2,491,775

The SCCOR in Hemostatic and Thrombotic Diseases

<b>K23 DK065294 (Rothman)</b>	07/01/03-06/30/08 \$577,063	0.24 calendar
Chronic Disease Management for Adolescents with Type 2 Diabetes Mellitus		
<b>5 U01 HI72471-03 (Sheller)</b> 4043840991	09/30/02 – 07/31/07 \$389,486	0.60 calendar
Asthma Disparities in Cohorts at Risk for Morbidity The goals of this project are to determine the mechanisms underlying disparities in asthma, and to improve asthma care in a targeted group at high risk for asthma-specific, maternal and perinatal complications: pregnant women with asthma.		
<b>5 R01 AI50884-02 (Hartert)</b> 4043840611	04/01/03 – 03/31/07 \$496,462	0.60 calendar
Dietary Antioxidants and Incidence of Adult-onset Asthma The purpose of this study is to investigate the effect of dietary antioxidants on incidence of adult-onset asthma.		
<b>Thrasher Research Fund (Hartert)</b> 4043836152	07/01/04 – 06/30/06 \$142,883	0.60 calendar
Modifiable Risk Factors for Severe RSV Bronchiolitis among Hospitalized Infants The objective of this study is to determine the relationship between severe RSV bronchiolitis requiring hospitalization and family history of atopy.		
<b>ADA (Rothman)</b>	7/1/03-6/30/06 \$359,626	0.60 calendar
Improving the Care of Adolescents with Type 2 Diabetes: A Randomized Controlled Trial		
<b>1R01 LM007995-01 (Miller, Randolph)</b>	2/1/04-1/31/06 \$740,000	0.60 calendar
TIME (tools for inpatient monitoring using evidence) The major goals of this study are to develop and evaluate tools for inpatient monitoring of adverse events for safety and appropriate testing.		
<b>1R01 HL 077389-01A1 (Brown)</b>	04/01/05 – 03/31/10 \$315,892	2.4 calendar
RASS Inflammation and Post-operative Atrial Fibrillation		

## RESEACH AWARDS AND HONORS:

- 2004            *Delirium and Cognitive Outcomes* chosen for Vanderbilt's "Wall of Distinguished Research Efforts"
- 2005            Elliot Newman Award for Research Excellence in Clinical Research (awarded to a single group for most important contribution to clinical research at Vanderbilt University )
- 2006            The year 2007 Anesthesiology Specialty Award by the Society of Critical Care Medicine

## BIBLIOGRAPHY

### PEER REVIEWED PUBLICATIONS: (Kamina is Dr. Shintani's maiden name)

#### A. Original Investigations

1. Peduzzi P, **Kamina A**, Detre K. The 22-Year Follow-up in the VA Cooperative Study of Coronary Artery Bypass Surgery for Stable Angina. *Am J Cardiol.* 1998 Jun; 81(12): 1393-1399.
2. Federman DG, Goyal S, **Kamina A**, Peduzzi P, Concato J. Patients' Knowledge of and Attitudes Towards Prostate-Specific Antigen Testing. *Eff Clin Pract.* 1999 Jul-Aug; 2(4): 152-157.
3. Anderson DR, Patil S, **Kamina A**, Penson DF, Peduzzi P, Concato J. Validation of a Staging System for Evaluating Prognosis in Prostate Cancer. *Conn Med.* 2000 Aug; 64(8): 459-464.
4. **Kamina A**, Makuch RW, Zhao H. A Stochastic Modeling of Early HIV-1 Population Dynamics. *Math Biosci.* 2001 Apr; 170(2): 187-98.
5. Concato J, Peduzzi P, **Kamina A**, Horwitz R. A Nested Case-Control Study of the Effectiveness of Screening for Prostate Cancer: Research Design. *J Clin Epidemiol.* 2001 June; 54(6): 558-564.
6. Jackson JC, Hart RP, Gordon SM, **Shintani A**, Truman B, May L, Ely EW. Six Month Neuropsychological Outcomes of Medical Intensive Care Unit Patients. *Crit Care Med.* 2003 Apr; 31(4): 1226-1234.
7. Ely EW, Truman B, **Shintani A**, Thomason JW, Wheeler AP, Gordon S, Francis J, Speroff T, Gautam S, Margolin R, Sessler CN, Dittus R, Bernard GR. Monitoring Sedation Status over Time in ICU Patients: Reliability and Validity of Richmond Asitation Sedation Scale (RASS). *JAMA.* 2003 June; 289(22): 2983-2991
8. Martinez-Picado J, Negro E, Ruiz L, **Shintani A**, Fumaz CR, Zala C, Domingo P, Vilaró J, Llibre JM, Viciano P, Hertogs K, Boucher C, D'Aquila RT, Clotet B; SWATCH Study Team. Alternation of Antiretroviral Drug Regimens for HIV Infection. A Randomized, Controlled Trial. *Ann Intern Med.* 2003 June; 139(2): 81-89.

9. Asanuma Y, Oeser A, **Shintani AK**, Turner E, Olsen N, Fazio S, Linton MF, Raggi P, Stein CM. Premature Coronary Artery Atherosclerosis in Systemic Lupus Erythematosus. *New England Journal of Medicine*. 2003 Dec; 349(25): 2407-2415.
10. Fowke JH, Chung FL, Shu XO, Dai Q, **Shintani A**, Conaway CC, Chung FL, Cai Q, Gao YT, Zheng W. Urinary Isothiocyanate Excretion, *Brassica* Consumption, and Gene Polymorphisms among Women Living in Shanghai, China. *Cancer Epidemiology, Biomarkers & Prevention*. 2003 Dec; 12(12): 1536-1539.
11. Hartert TV, Neuzil KM, **Shintani AK**, Mitchel EF, Snowden MS, Wood LB, Dittus RS, Griffin MR. Maternal Morbidity and Perinatal Outcomes among Pregnant Women with Respiratory Hospitalizations During Influenza Season. *American Journal of Obstetrics and Gynecology*. 2003 Dec; 189(6): 1705-1712.
12. Prado JG, **Shintani A**, Bofill M, Clotet B, Ruiz L, Martinez-Picado J. Lack of Longitudinal Inpatient Correlation Between p24 Antigenemia and Levels of Human Immunodeficiency Virus (HIV) Type 1 RNA in Patients with Chronic HIV Infection during Structured Treatment Interruptions. *J Clin Microbiol*. 2004 Apr; 42(4): 1620-1625. [doi:10.1128/JCM.42.4.1620-1625](https://doi.org/10.1128/JCM.42.4.1620-1625). PMID: PMC387543
13. Milbrandt EB, Deppen S, Harrison PL, Shintani AK, Speroff T, Stiles RA, Truman B, Bernard GR, Dittus RS, Ely EW. Costs Associated with Delirium in Mechanically Ventilated Patients. *Critical Care Medicine*. 2004 Apr; 32(4): 955-962. [doi: 10.1097/01.CCM.0000119429.16055.92](https://doi.org/10.1097/01.CCM.0000119429.16055.92)
14. Ely EW, **Shintani A**, Truman B, Speroff T, Gordon SM, Harrell FE Jr, Inouye SK, Bernard GR, Dittus RS. Delirium as a Predictor of Mortality in Mechanically Ventilated Patients in the Medical Intensive Care Unit. *Journal of the American Medical Association*. 2004 Apr; 291(14): 1753-1762. [doi:10.1001/jama.291.14.1753](https://doi.org/10.1001/jama.291.14.1753)
15. Ely EW, Truman B, Manzi DJ, Sigl JC, **Shintani A**, Bernard GR. Consciousness Monitoring in Ventilated Patients: Bispectral (BIS) EEG Monitors Arousal Not Delirium. *Intensive Care Medicine*. 2004 Apr; 30(8): 1537-1543. [doi: 10.1007/s00134-004-2298-1](https://doi.org/10.1007/s00134-004-2298-1)
16. Shuford MD, Cookson MS, Chang SS, **Shintani AK**, Tsiatis A, Smith JA Jr, Shappell SB. Adverse Prognostic Significance of Capsular Incision with Radical Retropubic Prostatectomy. *The Journal of Urology*. 2004 Jul; 172(1): 119-123.
17. Meyer-Olson D, Shoukry NH, Brady KW, Kim H, Olson DP, Hartman K, **Shintani AK**, Walker CM, Kalams SA. Limited T Cell Receptor Diversity of HCV-Specific T Cell Responses is Associated with CTL Escape. *J Exp Med*. 2004 Aug; 200(3): 307-319. [doi:10.1084/jem.20040638](https://doi.org/10.1084/jem.20040638) PMID: PMC2211982
18. Rothman RL, DeWalt DA, Malone R, Bryant B, **Shintani A**, Crigler B, Weinberger M, Pignone M. The Influence of Patient Literacy on the Effectiveness of a Primary-Care Based Diabetes Disease Management Program. *Journal of the American Medical Association*. 2004 Oct; 292(14): 1711-1716.

19. Rothman RL, Malone R, Bryant B, **Shintani AK**, Crigler B, Dewalt DA, Weinberger M, Pignone MP. Primary Care-Based Disease Management Program to Improve Cardiovascular Risk Factors and Glycated Hemoglobin levels in Patients with Diabetes. *The American Journal of Medicine*. 2005 Mar; 118(3): 276-284.
20. Chen X, Rock MT, Hammonds J, Tartaglia J, **Shintani A**, Currier J, Slike B, Crowe A, Marovich M, Spearman P. Pseudovirion Particle Production by a Live Poxvirus Human Immunodeficiency Virus Vaccine Vector Enhances Humoral and Cellular Immune Responses. *J Virol*. 2005 May; 79(9): 5537-5547. [doi:10.1128/JVI.79.95537-5547.2005](https://doi.org/10.1128/JVI.79.95537-5547.2005). PMID: PMC1082749.
21. Pun BT, Gordon SM, Peterson JF, **Shintani AK**, Jackson JC, Foss J, Harding SD, Bernard GR, Dittus RS, Ely EW. Large-scale Implementation of Sedation and Delirium Monitoring in the Intensive Care Unit: A Report from Two Medical Centers. *Critical Care Medicine*. 2005 June; 33(6): 1199-1205.
22. Carroll KN, Griffin MR, Gebretsadik T, **Shintani A**, Mitchel E, Hartert TV. Racial Differences in Asthma Morbidity during Pregnancy. *Obstetrics and Gynecology*. 2005 July; 106(1): 66-72.
23. Thomason JWW, Harrison P, Peterson J, Truman B, Jackson J, **Shintani A**, Ely WE. Delirium is Independently Associated with Increased Lengths of Stay and Mortality: A Prospective Analysis of 261 Non-ventilated ICU Patients. *Critical Care*. 2005 Jul; 9(4): R375-381. PMID: 1269454
24. Chung CP, Oeser A, Raggi P, Gebretsadik T, **Shintani AK**, Sokka T, Pincus T, Avalos I, Stein CM. Increased Coronary-Artery Atherosclerosis in Rheumatoid Arthritis: Relationship to Disease Duration and Cardiovascular Risk Factors. *Arthritis and Rheumatism*. 2005 Oct; 52(10): 3045-3053.
25. Turner E, Dishy V, Chung CP, Harris P, Pierce R, Asanuma Y, Oeser A, Gebretsadik T, **Shintani A**, Raggi P, Stein CM. Endothelial Function in Systemic Lupus Erythematosus: Relationship to Disease Activity, Cardiovascular Risk Factors, Corticosteroid Therapy and Coronary Calcification. *Vasc Health Risk Manag*. 2005; 1(4): 357-360. PMID: PMC1993959
26. Pandharipande P, **Shintani A**, Peterson J, Pun BT, Wilkerson GR, Dittus RS, Bernard G, Ely EW. Lorazepam Is an Independent Risk Factor for Transitioning to Delirium in Intensive Care Unit Patients. *Anesthesiology*. 2006 Jan; 104 (1): 21-26.
27. Wu Y, **Shintani A**, Grueter C, Zhang R, Hou Y, Yang J, Kranias EG, Colbran RJ, Anderson ME. Suppression of Dynamic Ca(2+) Transient Responses to Pacing in Ventricular Myocytes from Mice with Genetic Calmodulin Kinase II Inhibition. *Journal of Molecular and Cellular Cardiology*. 2006 Feb; 40(2): 213-223.
28. Asanuma Y, Chung CP, Oeser A, **Shintani A**, Stanley E, Raggi P, Stein CM. Increased Concentration of Proatherogenic Inflammatory Cytokines in Systemic Lupus Erythematosus: Relationship to Cardiovascular Risk Factors. *Journal of Rheumatology*. 2006 Mar; 33(3): 539-545.
29. Peterson JF, Pun BT, Dittus RS, Thomason JW, Jackson JC, **Shintani AK**, Ely EW. Delirium and its Motoric Subtypes: A Study of 614 Critically Ill Patients. *Journal of the American Geriatrics Society*. 2006 Mar; 54(3): 479-484.

30. Enriquez R, Wu P, Griffin MR, Gebretsadik T, **Shintani A**, Mitchel E, Carroll KN, Hartert TV. Cessation of Asthma Medication in Early Pregnancy. *American Journal of Obstetrics and Gynecology*. 2006 Jul;195(1): 149-153.
31. Antas PR, Ding L, Hackman J, Reeves-Hammock L, **Shintani AK**, Schiffer J, Holland SM, Sterling TR. Decreased CD4+ Lymphocytes and Innate Immune Responses in Adults with Prior Extrapulmonary Tuberculosis. *Journal of Allergy and Clinical Immunology*. 2006 Apr;117(4): 916-923.
32. Venarske DL, Busse WW, Griffin MR, Gebretsadik T, **Shintani AK**, Minton PA, Peebles RS, Hamilton R, Weisshaar E, Vrtis R, Higgins SB, Hartert TV. Rhinovirus-associated Asthma Hospitalizations with Inhaled Corticosteroids and Smoking. *Journal of Infectious Disease*. 2006 Jun; 193(11): 1536-1543.
33. Graber AL, **Shintani AK**, Wolff K, Brown A, Elasy TA. Glycemic Relapse in Type 2 Diabetes. *Endocrine Practice*. 2006 Mar-Apr; 12(2): 145-151
34. Whalen U, Griffin MR, **Shintani A**, Mitchel E, Cruz-Gervis R, Forbes BL, Hartert TV. Smoking Rates among Young Pregnant Women in Tennessee. *Preventive Medicine*. 2006 Sep; 43(3):196-199.
35. Siddique MA, Hartman KE, Dragileva E, Dondero M, Gebretsadik T, **Shintani A**, Peiperl L, Valentine F, Kalams SA. Low CD4+ T Cell Nadir Is an Independent Predictor of Lower HIV-Specific Immune Responses in Chronically HIV-1-Infected Subjects Receiving Highly Active Antiretroviral Therapy. *Journal of Infectious Disease*. 2006 Sep; 194(5): 661-665.
36. Figaro MK, Kritchevsky SB, Resnick HE, Shorr RI, Butler J, **Shintani A**, Penninx BW, Simonsick EM, Goodpaster BH, Newman AB, Schwartz AV, Harris TB. Diabetes, Inflammation, and Functional Decline in Older Adults: Findings from the Health, Aging and Body Composition (ABC) Study. *Diabetes Care*. 2006 Sep; 29(9): 2039-2045.
37. Rothman RL, Housam R, Weiss H, Davis D, Gregory R, Gebretsadik T, **Shintani A**, Elasy TA. Patient Understanding of Food Labels and the Role of Literacy and Numeracy. *American Journal of Preventive Medicine*. 2006 Nov; 31(5): 391-398.
38. Huizinga MM, **Shintani A**, Michon S, Brown A, Wolff K, Shackelford L, Boswell-King E, Gregory RP, Davis D, Stiles RA, Gebretsadik T, Chen K, Rothman RL, Pichert JW, Schlundt D Elasy TA. A Randomized Controlled Trial to Prevent Glycemic Relapse in Longitudinal Diabetes Care: Study Protocol. *Implement Sci*. 2006 Oct; 1(1): 24 [doi: 10.1186/1748-5908-1-24](https://doi.org/10.1186/1748-5908-1-24) PMID: PMC1634866
39. Chung CP, Oeser A, Avalos I, Gebretsadik T, **Shintani A**, Raggi P, Sokka T, Pincus T, Stein CM. Utility of the Framingham Risk Score to Predict the Presence of Coronary Atherosclerosis in Patients with Rheumatoid Arthritis. *Arthritis Res Ther*. 2006 Dec; 8(6): R186 [doi: 10.1186/ar2098](https://doi.org/10.1186/ar2098) PMID: PMC1794532

40. Siew ED, Pupim LB, Majchrzak KM, **Shintani A**, Flakoll PJ, Ikizler TA. Insulin Resistance Is Associated with Increased Skeletal Muscle Protein Breakdown in Non-Diabetic Chronic Hemodialysis Patients. *Kidney International*. 2007 Jan; 71(2): 146-152.
41. Ely EW, Girard TD, **Shintani A**, Jackson JC, Gordon SM, Thomason JWW, Pun BT, Canonico A, Light R, Pandharipande P, Renfrew B, Laskowitz DT. Apolipoprotein E4 Polymorphism as a Genetic Predisposition to Delirium in Critically Ill Patients. *Critical Care Medicine*. 2007 Jan; 35(1): 112-117.
42. Girard TD, **Shintani A**, Jackson JC, Gordon SM, Pun BT, Dittus RS, Bernard GR, Ely EW. Risk Factors for Posttraumatic Stress Disorder Symptoms following Mechanical Ventilation. *Crit Care*. 2007 Feb; 11(1): R28. [doi: 10.1186/cc5708](https://doi.org/10.1186/cc5708) PMID: PMC2151865
43. Matthews CE, Wilcox S, Hanby CL, Ananian CD, Heiney SP, Gebretsadik T, **Shintani A**. A Randomized Trial of a 12-week Home-based Walking Intervention for Breast Cancer Survivors. *Supportive Care in Cancer*. 2007 Feb; 15(2): 203-211
44. Chung CP, Avalos I, Oeser A, Gebretsadik T, **Shintani A**, Raggi P, Stein CM. High Prevalence of the Metabolic Syndrome in Patients with Systemic Lupus Erythematosus: Association with Disease Characteristics and Cardiovascular Risk Factors. *Ann Rheum Dis*. 2007 Feb; 66(2): 208-214 [doi: 10.1136/ard.2006.054973](https://doi.org/10.1136/ard.2006.054973) PMID: PMC1798504
45. LeFebvre J, Gebretsadik T, **Shintani A**, Murphey LJ, Brown NJ. Bradykinin B<sub>2</sub> Receptor Does Not Contribute to Blood Pressure Lowering During AT1 Receptor Blockade. *J Pharmacol Exp Ther*. 2007 Mar; 320(3): 1261-1267. [doi: 10.1124/jpet.106.117259](https://doi.org/10.1124/jpet.106.117259) PMID: PMC2673724
46. Avalos I, Chung CP, Oeser A, Milne GL, Morrow JD, Gebretsadik T, **Shintani A**, Yu C, Stein CM. Oxidative Stress in Systemic Lupus Erythematosus: Relationship to Disease Activity and Symptoms. *Lupus*. 2007; 16(3): 195-200.
47. Suzuki R, Onizuka M, Kojima M, Shimada M, Fukagawa S, Tsuboi K, Kobayashi H, **Shintani A**, Ogawa Y, Kawada H, Hotta T, Ando K. Preferential hypermethylation of the *DKK-1* promoter in core-binding factor leukemia. *British Journal of Haematology*. 2007 Sep; 138(5): 624-631.
48. Wu P, Roberts LJ, Griffin MR, **Shintani AK**, Sheller JR, Minton PL, Higgins S, Hartert TV. Urinary IsoP-Mrostane Metabolite, a Marker of Oxidative Stress Correlates with Acute Disease Severity during Asthma Hospitalization. *Free Radical Research*. 2007 Sep; 41(9): 956-962.
49. Chung CP, Oeser A, Solus JF, Avalos I, Gebretsadik T, **Shintani A**, Linton MF, Fazio S, Stein CM. Inflammatory Mechanisms Affecting the Lipid Profile in Patients with Systemic Lupus Erythematosus. *Journal of Rheumatology*. 2007 Sep; 34(9): 1849-1854.
50. Pandharipande P, Cotton B, **Shintani A**, Thompson J, Costabile S, Pun BT, Dittus R, Ely EW. Motoric Subtypes of Delirium in Mechanically Ventilated Surgical and Trauma Intensive Care Unit Patients. *Intensive Care Medicine*. 2007 Oct; 33(10): 1726-1731.

51. Henry S, Ness R, Stiles R, Harrison P, **Shintani A**, Dittus RS. A Cost Analysis of Colonoscopy Using Microcosting and Time-and-motion Techniques. *J Gen Intern Med*. 2007 Oct; 22(10): 1415-1421. [doi: 10.1007/s11606-007-0261-6](https://doi.org/10.1007/s11606-007-0261-6). PMID: PMC2305858
52. Asanuma Y, Chung CP, Oeser A, Solus J, Avalos I, Gebretsadik T, **Shintani A**, Raggi P, Sokka T, Pincus T, Stein CM. Serum Osteoprotegerin Is Increased and Independently Associated with Coronary-artery Atherosclerosis in Patients with Rheumatoid Arthritis. *Atherosclerosis*. 2007 Dec; 1995(2): e135-141. [doi: 10.1016/j.atherosclerosis.2007.04.049](https://doi.org/10.1016/j.atherosclerosis.2007.04.049) PMID: PMC2174431
53. Wingard RL, Pupim LB, Krishnan M, **Shintani A**, Ikizler TA, Hakim RM. Early intervention improves mortality and hospitalization rates in incident hemodialysis patients: RightStart program. *Clinical Journal of the American Society of Nephrology*. 2007 Nov; 2(6): 1170-1175.
54. Sterling TR, Martire T, Almeida AS, Ding L, Greenberg D, Moreira LA, Yovus A, Sant'Anna CC, Calazans E, Paraguassu G, Gebretsadik T, **Shintani A**, Miller K, Kritski A, Lapa e Silva JR, Holland SM. Immune Function in Young Children with Prior Pulmonary or Miliary/Meningeal Tuberculosis and Impact of BCG Vaccination. *Pediatrics*. 2007 Oct; 120(4): e912-921.
55. Masica AL, Thomason JW, Wilkinson GR, Pun BT, Nair U, Girard T, Light R, Canonico A, Dunn J, Pandharipande P, **Shintani A**, Ely EW. Measures of Sedative and Analgesic Drug Exposure in Medical ICU Patients: Dose versus Plasma Concentration as Predictors of Clinical Sedation Level. *The American Journal of Geriatric Pharmacotherapy*. 2007 Sep; 5(3): 218-231.
56. Trirogoff ML, Majchrzak K, **Shintani A**, Himmelfarb J, Ikizler TA. Body Mass Index and Fat Mass Are the Primary Correlates of Insulin Resistance in Non-Diabetic Patients with Stage 3-4 Chronic Kidney Disease. *The American Journal of Clinical Nutrition*. 2007 Dec; 86(6): 1642-1648.
57. Avalos I, Chung CP, Oeser A, Gebretsadik T, **Shintani A**, Kurnik D, Raggi P, Sokka T, Pincus T, Stein CM. Increased Arterial Stiffness in Rheumatoid Arthritis: Relationship between Augmentation Index and Coronary Artery Atherosclerosis. 2007 Dec; 34(12): 2388-2394.
58. Pandharipande P, Pun B, Herr D, Maze M, Girard T, Miller R, **Shintani A**, Thompson J, Deppen S, Stiles R, Phantong J, Dittus R, Bernard G, Ely EW. The MENDS Study: A Double Blind Randomized Controlled Trial Comparing Efficacy of Long-term Sedation and Duration of Delirium and Coma with Dexmedetomidine versus Lorazepam in Mechanically Ventilated Medical and Surgical Patients. *Journal of the American Medical Association*. 2007 Dec 12; 298(22): 2644-2653.
59. Suzuki R, Onizuka M, Kojima M, Shimada M, Okamura K, Fukagawa S, Tsuboi K, Kikuchi A, Kobayashi H, **Shintani A**, Ogawa Y, Kawada H, Hotta T, Ando K. Prognostic Significance of FLT3 Internal Tandem Duplication and NPM1 Mutations in Acute Myeloid Leukemia in an Unselected Patient Population. *International Journal of Hematology*. 2007 Dec; 86(5): 422-428.
60. Girard TD, Kress JP, Fuchs BD, Thomason JWW, Schweickert WD, Pun BT, Taichman DB, Pohlman AS, Kinniry PA, Jackson JC, Canonico AE, Light RW, **Shintani AK**, Thompson JL, Gordon SM, Hall JB, Dittus RS, Bernard GR, Ely EW. The Awakening and Breathing Controlled (ABC) Trial: A Randomized Controlled Trial of the Efficacy and Safety of Protocolized Spontaneous



- Breathing Trials with or without Daily Spontaneous Awakening Trials. *Lancet* 2008 Jan 12; 371(9607): 126-134.
61. Chung CP, Oeser A, Solus JF, Avalos I, Gebretsadik T, **Shintani A**, Raggi P, Sokka T, Pincus T, Stein CM. Prevalence of the Metabolic Syndrome Is Increased in Rheumatoid Arthritis and Is Associated with Coronary Atherosclerosis. *Atherosclerosis*. 2008 Feb; 196(2): 756-763.
  62. Blaha MJ; Gebretsadik T, **Shintani A**, Elasy TA. The association between the metabolic syndrome and glucose deterioration in patients with type 2 diabetes. *Obesity (Silver Spring)*. 2008 Apr; 16(4): 869-874.
  63. Rothman RL, Mulvaney S, Elasy TA, VanderWoude A, **Shintani A**, Gebretsadik T, Potter A, Russell WE, Schlundt D. Self-Management Behaviors, Racial Disparities and Glycemic Control among Adolescents with Type 2 Diabetes. *Pediatrics*. 2008 Apr; 121(4): e912-919.
  64. Ramos LF, **Shintani A**, Himmelfarb J, Ikizler TA. Contribution of Adiposity to Increased Oxidative Stress and Inflammation in Patients with Moderate to Severe Chronic Kidney Disease. *The Journal of the American Society of Nephrology*. 2008 Mar; 19(3): 593-599. PMID: 2391046
  65. Hung A, Pupim L, **Shintani A**, Siew E, Ikizler TA. Determinants of C-Reactive Protein (hsCRP) Patterns in Chronic Hemodialysis (CHD) Patients. *Hemodialysis International*. 2008 Apr; 12(2): 236-243.
  66. Cavanaugh K, Huizinga MM, Wallston KA, Gebretsadik T, **Shintani A**, Davis D, Gregory RP, Fuchs L, Malone R, Cherrington A, Pignone M, DeWalt DA, Elasy TA, Rothman RL. Association of Numeracy and Diabetes Control. *Annals of Internal Medicine*. 2008 May 20; 148(10): 737-746.
  67. Huizinga MM, Niswender KD, Gebretsadik T, Rothman RL, **Shintani A**, Elasy TA. Insulin Use and Weight Maintenance in Well-Controlled Type 2 Diabetes: A Prospective Cohort Study. *Obesity (Silver Spring)*. 2008 Aug; 16(8): 1933-1937. Published online 2008 June 12. doi: [10.1038/oby.2008.301](https://doi.org/10.1038/oby.2008.301). PMID: 2694404.
  68. Chung CP, Oeser A, Solus JF, Gebretsadik T, **Shintani A**, Avalos I, Sokka T, Raggi P, Pincus T, Stein CM. Inflammation-associated Insulin Resistance: Differential Effects in Rheumatoid Arthritis and Systemic Lupus Erythematosus Define Potential Mechanisms. *Arthritis Rheum*. 2008 Jul; 58(7): 2105-2112. doi: [10.1002/art.23600](https://doi.org/10.1002/art.23600) PMID: 2755593
  69. Pandharipande P, Cotton BA, **Shintani A**, Thompson J, Pun BT, Morris JA Jr, Dittus R, Ely EW. Prevalence and Risk Factors for Development of Delirium in Surgical and Trauma Intensive Care Unit Patients. *Journal of Trauma*. 2008 Jul; 65(1): 34-41.
  70. Rho YH, Chung CP, Oeser A, Solus J, Raggi P, Gebretsadik T, **Shintani A**, Stein CM. Novel Cardiovascular Risk Factors in Premature Coronary Atherosclerosis Associated with Systemic Lupus Erythematosus. *J Rheumatol*. 2008 Sep; 35(9): 1789-1794. PMID: 2574747
  71. Solus J, Chung CP, Oeser A, Avalos I, Gebretsadik T, **Shintani A**, Raggi P, Sokka T, Pincus T, Stein CM. Amino-terminal fragment of the prohormone brain-type natriuretic peptide in rheumatoid

- arthritis. *Arthritis Rheum.* 2008 Sep; 58(9): 2662-2669. [doi: 10.1002/art.23796](https://doi.org/10.1002/art.23796) PMID: PMC2587412
72. Watson PL, **Shintani AK**, Tyson R, Pandharipande PP, Pun BT, Ely EW. Presence of Electroencephalogram Burst Suppression in Sedated, Critically Ill Patients Is Associated with Increased Mortality. *Critical Care Medicine.* 2008 Dec; 36(12): 3171-3177.
73. Haas DW, Mayo G, Nair U, Acosta EP, Gebretsadik T, **Shintani A**, Floyd M, Stein CM, Wilkinson GR. Relationships between CYP2B6 Genotype and Pharmacokinetics Following a Single Dose of Nevirapine or Efavirenz. *J Infect Dis.* 2009 Mar 15;199(6):872-880. [doi: 10.1086/597125](https://doi.org/10.1086/597125) PMID: PMC2784690 PMID: 19239339
74. Pandharipande PP, **Shintani AK**, Hagerman HE, St Jacques PJ, Rice TW, Sanders NW, Ware LB, Bernard GR, Ely EW. Derivation and validation of Spo<sub>2</sub>/Fio<sub>2</sub> ratio to impute for Pao<sub>2</sub>/Fio<sub>2</sub> ratio in the respiratory component of the Sequential Organ Failure Assessment score. *Crit Care Med.* 2009 Apr;37(4):1317-21. PMID: 19242333
75. Devasia RA, Blackman A, May C, Eden S, Smith T, Hooper N, Maruri F, Stratton C, **Shintani A**, Sterling TR. Fluoroquinolone resistance in Mycobacterium tuberculosis: an assessment of MGIT 960, MODS and nitrate reductase assay and fluoroquinolone cross-resistance. *J Antimicrob Chemother.* 2009 Jun;63(6):1173-8. Epub 2009 Mar 28. [doi: 10.1093/jac/dkp096](https://doi.org/10.1093/jac/dkp096) PMID: PMC2680343 PMID: 19329799
76. Ramos LF, **Shintani A**, Himmelfarb J, Ikizler TA. Determinants of plasma adiponectin levels in nondiabetic subjects with moderate to severe chronic kidney disease. *J Ren Nutr.* 2009 May;19(3):197-203. PMID: 19393918
77. Devasia RA, Blackman A, Gebretsadik T, Griffin M, **Shintani A**, May C, Smith T, Hooper N, Maruri F, Warkentin J, Mitchel E, Sterling TR. Fluoroquinolone resistance in Mycobacterium tuberculosis: the effect of duration and timing of fluoroquinolone exposure. *Am J Respir Crit Care Med.* 2009 Aug 15;180(4):365-70. Epub 2009 May 29. [doi: 10.1164/rccm.200901-0146OC](https://doi.org/10.1164/rccm.200901-0146OC) PMID: 2731810 PMID: 19483111
78. Sundell MB, Cavanaugh KL, Wu P, **Shintani A**, Hakim RM, Ikizler TA. Oral protein supplementation alone improves anabolism in a dose-dependent manner in chronic hemodialysis patients. *J Ren Nutr.* 2009 Sep;19(5):412-21. Epub 2009 Jun 4. [doi: 10.1053/j.jrn.2009.01.019](https://doi.org/10.1053/j.jrn.2009.01.019) PMID: PMC2758490 PMID: 19500999
79. Rho YH, Solus J, Sokka T, Oeser A, Chung CP, Gebretsadik T, **Shintani A**, Pincus T, Stein CM. Adipocytokines are associated with radiographic joint damage in rheumatoid arthritis. *Arthritis Rheum.* 2009 Jul;60(7):1906-14. [doi: 10.1002/art.24626](https://doi.org/10.1002/art.24626) PMID: PMC2894567 PMID: 19565493
80. Siew ED, Ware LB, Gebretsadik T, **Shintani A**, Moons KG, Wickersham N, Bossert F, Ikizler TA. Urine neutrophil gelatinase-associated lipocalin moderately predicts acute kidney injury in critically ill adults. *J Am Soc Nephrol.* 2009 Aug;20(8):1823-32. [doi:10.1681/ASN.2008070673](https://doi.org/10.1681/ASN.2008070673) PMID: 2723988 PMID: 19628673

81. Redhage LA, **Shintani A**, Haas DW, Emeagwali N, Markovic M, Oboho I, Mwenya C, Erdem H, Acosta EP, Morrow JD, Hulgán T. Clinical factors associated with plasma F2 isoprostane levels in HIV-infected adults. *HIV Clin Trials*. 2009 May-Jun;10(3):181-92. [doi: 10.1310/hct1003-181](https://doi.org/10.1310/hct1003-181) PMID: 19632957
82. Cavanaugh K, Wallston KA, Gebretsadik T, **Shintani A**, Huizinga MM, Davis D, Gregory RP, Malone R, Pignone M, Dewalt D, Elasy TA, Rothman RL. Addressing Literacy and Numeracy to Improve Diabetes Care: Two Randomized Controlled Trials. *Diabetes Care*. 2009 Dec 32(12):2149-2155. [doi: 10.2337/dc09-0563](https://doi.org/10.2337/dc09-0563) PMID: 19741187
83. **Shintani AK**, Girard TD, Eden SK, Arbogast PG, Moons KG, Ely EW. Immortal time bias in critical care research: application of time-varying Cox regression for observational cohort studies. *Crit Care Med*. 2009 Nov;37(11):2939-45. [doi: 10.1097/CCM.0b013e3181b7fbbb](https://doi.org/10.1097/CCM.0b013e3181b7fbbb) PMID: 19770737
84. Rho YH, Chung CP, Oeser A, Solus J, Asanuma Y, Sokka T, Pincus T, Raggi P, Gebretsadik T, **Shintani A**, Stein CM. Inflammatory mediators and premature coronary atherosclerosis in rheumatoid arthritis. *Arthritis Rheum*. 2009 Nov 15;61(11):1580-1585. [doi: 10.1002/art.325009](https://doi.org/10.1002/art.325009) PMID: 1987708
85. Boger MS, **Shintani A**, Redhage LA, Mitchell V, Haas DW, Morrow JD, Hulgán T. Highly sensitive C-reactive protein, body mass index, and serum lipids in HIV-infected persons receiving antiretroviral therapy: a longitudinal study. *J Acquir Immune Defic Syndr*. 2009 Dec 1;52(4):480-7. PMID: 1987708
86. Matsusaka T, Asano T, Niimura F, Kinomura M, Shimizu A, **Shintani A**, Pastan I, Fogo AB, Ichikawa I. Angiotensin Receptor Blocker Protection Against Podocyte-Induced Sclerosis Is Podocyte Angiotensin II Type 1 Receptor-Independent. 2010 Apr;55(4):967-73. [doi:10.1161/HYPERTENSIONAHA.109.141994](https://doi.org/10.1161/HYPERTENSIONAHA.109.141994) PMID: 20363527
87. Girard TD, Pandharipande PP, Carson SS, Schmidt GA, Wright PE, Canonico AE, Pun BT, Thompson JL, **Shintani AK**, Meltzer HY, Bernard GR, Dittus RS, Ely EW; MIND Trial Investigators. Feasibility, efficacy, and safety of antipsychotics for intensive care unit delirium: the MIND randomized, placebo-controlled trial. *Crit Care Med*. 2010 Feb;38(2):428-37. PMID: 20095068
88. Han JH, **Shintani A**, Eden S, Morandi A, Solberg S, Schnelle J, Storrow AB, Dittus RS, Ely EW. Delirium in the Emergency Department: an Independent Predictor of Death Within 6-Months. *Annals of Emerg Med* 2010. Sep;56(3):244-252.e1. Epub 2010 Apr 3. PMID:20363527
89. Rho YH, Chung CP, Solus JF, Raggi P, Oeser A, Gebretsadik T, **Shintani A**, Stein CM. Adipocytokines, insulin resistance, and coronary atherosclerosis in rheumatoid arthritis. *Arthritis Rheum*. 2010 May;62(5):1259-64. PMID:20213808 [doi:10.1002/art.27376](https://doi.org/10.1002/art.27376) PMID:2910412
90. Pandharipande PP, Sanders RD, Girard TD, McGrane S, Thompson JL, **Shintani AK**, Herr DL, Maze M, Ely EW; the MENDS investigators. Effect of dexmedetomidine versus lorazepam on outcome in patients with sepsis: an a priori-designed analysis of the MENDS randomized controlled trial. *Crit Care*. 2010;14(2):R38. [doi: 10.1186/cc8916](https://doi.org/10.1186/cc8916) PMID: 20363527

91. Jackson JC, Girard TD, Gordon SM, Thompson JL, **Shintani AK**, Thomason JW, Pun BT, Canonico AE, Dunn JG, Bernard GR, Dittus RS, Ely EW. Long-Term Cognitive and Psychological Outcomes in the Awakening and Breathing Controlled Trial. *Am J Respir Crit Care Med*. 2010 Jul 15;182(2):183-91. Published online 2010 Mar 18. [doi: 10.1164/rccm.200903-0442OC](https://doi.org/10.1164/rccm.200903-0442OC) PMID: PMC2913233
92. Huizinga MM, Gebretsadik T, Garcia Ulen C, **Shintani AK**, Michon SR, Shackelford LO, Wolff KL, Brown AW, Rothman RL, Elasy TA. Preventing glycaemic relapse in recently controlled type 2 diabetes patients: a randomised controlled trial. *Diabetologia*. 2010 May;53(5):832-9. [doi: 10.1007/s00125-010-1658-3](https://doi.org/10.1007/s00125-010-1658-3). PMID: PMC2863104.
93. Girard TD, Jackson JC, Pandharipande PP, Pun BT, Thompson JL, **Shintani AK**, Gordon SM, Canonico AE, Dittus RS, Bernard GR, Ely EW. Delirium as a predictor of long-term cognitive impairment in survivors of critical illness. *Crit Care Med*. 2010 Jul;38(7):1513-20 PMID: 20473145
94. Rho YH, Chung CP, Oeser A, Solus JF, Gebretsadik T, **Shintani A**, Raggi P, Milne GL, Stein CM. Interaction between oxidative stress and HDL cholesterol is associated with severity of coronary artery calcification in rheumatoid arthritis. *Arthritis Care Res (Hoboken)*. 2010 Oct;62(10):1473-80. [doi: 10.1002/acr.20237](https://doi.org/10.1002/acr.20237) PMID: PMC2933413 PMID: 20506360
95. Siew E, Ikizler TA, Gebretsadik T, **Shintani A**, Wickersham N, Bossert F, Peterson JF, Parikh CR, May AK, Ware LB. Elevated Urinary IL-18 Levels at the Time of ICU Admission Predict Adverse Clinical Outcomes. *Clin J Am Soc Nephrol*. 2010 Aug;5(8):1497-505. [doi: 10.2215/CJN.09061209](https://doi.org/10.2215/CJN.09061209) PMID: PMC2924408 PMID: 20558561
96. Cavanaugh KL, Wingard RL, Hakim RM, Eden S, **Shintani A**, Wallston KA, Huizinga MM, Elasy TA, Rothman RL, Ikizler TA. Low Health Literacy Associates with Increased Mortality in ESRD. *J Am Soc Nephrol*. 2010 Nov;21(11):1979-85. [doi:10.1681/ASN.2009111163](https://doi.org/10.1681/ASN.2009111163) PMID: PMC3014012 PMID: 20671215
97. Agarwal V, O'neill PJ, Cotton BA, Pun BT, Haney S, Thompson J, Kassebaum N, **Shintani A**, Guy J, Ely EW, Pandharipande P. Prevalence and Risk Factors for Development of Delirium in Burn Intensive Care Unit Patients. *J Burn Care Res*. 2010 Sep-Oct;31(5):706-15. PMID: 20647937
100. Shehabi Y, Riker RR, Bokesch PM, Wisemandle W, **Shintani A**, Ely EW; for the SEDCOM (Safety and Efficacy of Dexmedetomidine Compared With Midazolam) Study Group. Delirium duration and mortality in lightly sedated, mechanically ventilated intensive care unit patients. *Crit Care Med*. 2010 Dec;38(12):2311-8. PMID: 20838332
101. Ramos LF, Kane J, McMonagle E, Le P, Wu P, **Shintani A**, Ikizler TA, Himmelfarb J. Effects of Combination Tocopherols and Alpha Lipoic Acid Therapy on Oxidative Stress and Inflammatory Biomarkers in Chronic Kidney Disease. 2011 May;21(3):211-8. PMID: 21185738 [doi:10.1053/j.jrn.2010.08.003](https://doi.org/10.1053/j.jrn.2010.08.003) PMID: PMC3078529
102. Rho YH, Solus J, Raggi P, Oeser A, Gebretsadik T, **Shintani A**, Stein CM. Macrophage activation and coronary atherosclerosis in systemic lupus erythematosus and rheumatoid arthritis. *Arthritis Care*

- Res (Hoboken)*. 2011 Apr;63(4):535-41. PMID: 20890983 [doi: 10.1002/acr.20365](https://doi.org/10.1002/acr.20365) PMCID: PMC3020253
103. Smith HA, Boyd J, Fuchs DC, Melvin K, Berry P, **Shintani A**, Eden SK, Terrell MK, Boswell T, Wolfram K, Sopfe J, Barr FE, Pandharipande PP, Ely EW. Diagnosing delirium in critically ill children: Validity and reliability of the Pediatric Confusion Assessment Method for the Intensive Care Unit (pCAM-ICU). *Crit Care Med*. 2011 Jan;39(1):150-157. PMID: 20959783
  104. Dong J, Sundell MB, Pupim LB, Wu P, **Shintani A**, Ikizler TA. The Effect of Resistance Exercise to Augment Long-term Benefits of Intradialytic Oral Nutritional Supplementation in Chronic Hemodialysis Patients. *J Ren Nutr*. 2011 Mar;21(2):149-59. PMID: 20580251 [doi:10.1053/j.jrn.2010.08.003](https://doi.org/10.1053/j.jrn.2010.08.003) PMCID: PMC2947559
  105. Esbenshade AJ, Ho RH, **Shintani A**, Zhao Z, Smith LA, Friedman DL. Dapsone-induced methemoglobinemia: A dose-related occurrence? *Cancer*. 2011 Jan 18. [Epub ahead of print] PMID: 21246536 [doi:10.1002/ncr.25904](https://doi.org/10.1002/ncr.25904) PMCID: PMC3138875
  106. Han JH, Bryce SN, Ely EW, Kripalani S, Morandi A, **Shintani A**, Jackson JC, Storrow AB, Dittus RS, Schnelle J. The Effect of Cognitive Impairment on the Accuracy of the Presenting Complaint and Discharge Instruction Comprehension in Older Emergency Department Patients. *Ann Emerg Med*. 2011 Jan 25. [Epub ahead of print] PMID: 21272958
  107. Hung AM, Ellis CD, **Shintani A**, Booker C, Ikizler TA. IL-1{beta} Receptor Antagonist Reduces Inflammation in Hemodialysis Patients. *J Am Soc Nephrol*. Mar22(3):437-442. PMID: 21310819 [doi: 10.1681/ASN.2010070760](https://doi.org/10.1681/ASN.2010070760) PMCID: PMC3060437
  108. Hung AM, Sundell MB, Egbert P, Siew ED, **Shintani A**, Ellis CD, Bian A, Ikizler TA.. 2011 A Comparison of Novel and Commonly-Used Indices of Insulin Sensitivity in African American Chronic Hemodialysis Patients. *Clin J Am Soc Nephrol*. 2011 Apr6(4):767-774. [doi: 10.2215/CJN.08070910](https://doi.org/10.2215/CJN.08070910) PMCID: PMC3069368.
  109. Morandi A, Gunther ML, Pandharipande PP, Jackson JC, Thompson JL, **Shintani AK**, Ely EW, Girard TD. Insulin-like growth factor-1 and delirium in critically ill mechanically ventilated patients: a preliminary investigation. *Int Psychogeriatr*. 2011 Feb 4:1-7. [Epub ahead of print] PMID: 21294938
  110. Lertnawapan R, Bian A, Rho YH, Kawai VK, Raggi P, Oeser A, Solus JF, Gebretsadik T, **Shintani A**, Stein CM. CystatCystatin C, Renal Function, and Atherosclerosis in Rheumatoid Arthritis. *J Rheumatol*. 2011 Nov38(11): 2297-2300. 2011 Aug 15. [doi: 10.3899/jrheum.110168](https://doi.org/10.3899/jrheum.110168) PMCID: PMC3207028 PMID: 21844147
  111. Nunes JA, Wallston KA, Eden SK, **Shintani AK**, Ikizler TA, Cavanaugh KL. Associations among perceived and objective disease knowledge and satisfaction with physician communication in patients with chronic kidney disease. *Kidney Int*. 2011 Aug 10. doi: 10.1038/ki.2011.240. [Epub ahead of print] PMID: 21832984

112. Matsusaka T, Sandgren E, **Shintani A**, Kon V, Pastan I, Fogo AB, Ichikawa I. Podocyte injury damages other podocytes. *J Am Soc Nephrol*. 2011 Jul;22(7):1275-85. Epub 2011 Jun 30. doi: [10.1681/ASN.2010090963](https://doi.org/10.1681/ASN.2010090963). PMID: 21719786
113. Morandi A, Vasilevskis EE, Pandharipande PP, Girard TD, Solberg LM, Neal EB, Koestner T, Torres R, Thompson JL, **Shintani AK**, Han JH, Schnelle J, Fick DM, Ely EW, Kripalani S. Inappropriate medications in elderly ICU survivors: where to intervene? *Arch Intern Med*. 2011 Jun 13;171(11):1032-4. PMID: 21670372
114. Han JH, Eden S, **Shintani A**, Morandi A, Schnelle J, Dittus RS, Storrow AB, Ely EW. Delirium in older emergency department patients is an independent predictor of hospital length of stay. *Acad Emerg Med*. 2011 May;18(5):451-7. doi: 10.1111/j.1553-2712.2011.01065.x. Epub 2011 Apr 26. PMID: 21521405
115. McGrane S, Girard TD, Thompson JL, **Shintani AK**, Woodworth A, Ely EW, Pandharipande PP. Procalcitonin and C-reactive protein levels at admission as predictors of duration of acute brain dysfunction in critically ill patients. *Crit Care*. 2011;15(2):R78. Epub 2011 Mar 2. PMID: 21366899 doi:[10.1186/cc10070](https://doi.org/10.1186/cc10070) PMID: 21366899
116. Omata F, **Shintani A**, Isozaki M, Masuda K, Fujita Y, Fukui T. Diagnostic performance of quantitative fecal immunochemical test and multivariate prediction model for colorectal neoplasms in asymptomatic individuals. *Eur J Gastroenterol Hepatol*. 2011 Nov;23(11):1036-41. PMID: 21897207 doi: [10.1097/MEG.0b013e32834a2882](https://doi.org/10.1097/MEG.0b013e32834a2882)
117. Ormseth MJ, Swift LL, Fazio S, Linton MF, Chung CP, Raggi P, Rho YH, Solus J, Oeser A, Bian A, Gebretsadik T, **Shintani A**, Michael Stein C. Free fatty acids are associated with insulin resistance but not coronary artery atherosclerosis in rheumatoid arthritis. *Atherosclerosis*. 2011 Dec;219(2):869-74. Epub 2011 Sep 12. PMID: 21974844 doi:[10.1016/j.atherosclerosis.2011.09.005](https://doi.org/10.1016/j.atherosclerosis.2011.09.005)
118. Vasilevskis EE, Morandi A, Boehm L, Pandharipande PP, Girard TD, Jackson JC, Thompson JL, **Shintani A**, Gordon SM, Pun BT, Wesley Ely E. Delirium and sedation recognition using validated instruments: reliability of bedside intensive care unit nursing assessments from 2007 to 2010. *J Am Geriatr Soc*. 2011 Nov;59 Suppl 2:S249-55. doi: [10.1111/j.1532-5415.2011.03673.x](https://doi.org/10.1111/j.1532-5415.2011.03673.x) PMID: 22091569
119. Kawai VK, Solus JF, Oeser A, Rho YH, Raggi P, Bian A, Gebretsadik T, **Shintani A**, Stein CM. Novel cardiovascular risk prediction models in patients with systemic lupus erythematosus. *Lupus*. 2011 Dec;20(14):1526-34. Epub 2011 Oct 5. PMID: 21976402 doi: [10.1177/0961203311420317](https://doi.org/10.1177/0961203311420317)
120. Adams Wilson JR, Morandi A, Girard TD, Thompson JL, Boomershine CS, **Shintani AK**, Ely EW, Pandharipande PP. The association of the kynurenine pathway of tryptophan metabolism with acute brain dysfunction during critical illness. *Crit Care Med*. 2012 Mar;40(3):835-41 PMID: 22080637 doi: [10.1097/CCM.0b013e318236f62d](https://doi.org/10.1097/CCM.0b013e318236f62d)
121. Koethe JR, Bian A, **Shintani A**, Boger MS, Mitchell V, Erdem H, Hulgán T. Serum Leptin Level Mediates the Association of Body Composition and Serum C-reactive Protein in HIV-infected Persons on Antiretroviral Therapy. *AIDS Res Hum Retroviruses*. 2012 Jun;28(6):552-7 Epub 2012 Feb 2 PMID: 22145933 doi:[10.1089/aid.2011.0232](https://doi.org/10.1089/aid.2011.0232)

122. Devasia R, Blackman A, Eden S, Li H, Maruri F, **Shintani A**, Alexander C, Kaiga A, Stratton CW, Warkentin J, Tang YW, Sterling TR. High Proportion of Fluoroquinolone-Resistant *M. tuberculosis* Isolates with Novel Gyrase Polymorphisms and a *gyrA* Region Associated with Fluoroquinolone Susceptibility. *J Clin Microbiol.* 2012 Apr;50(4):1390-6. Epub 2011 Dec 21  
doi: [10.1128/JCM.05286-11](https://doi.org/10.1128/JCM.05286-11) PMID: 22189117
123. Boger MS, Bian A, **Shintani A**, Milne GL, Morrow JD, Erdem H, Mitchell V, Haas DW, Hulgan T. Sex differences in urinary biomarkers of vascular and endothelial function in HIV-infected persons receiving antiretroviral therapy. *Antivir Ther.* 2012;17(3):485-93 PMID: 22293574 Epub 2011 Dec 14.
124. Jackson JC, Ely EW, Morey MC, Anderson VM, Denne LB, Clune J, Siebert CS, Archer KR, Torres R, Janz D, Schiro E, Jones J, **Shintani AK**, Levine B, Pun BT, Thompson J, Brummel NE, Hoenig H. Cognitive and physical rehabilitation of intensive care unit survivors: Results of the RETURN randomized controlled pilot investigation. *Crit Care Med.* 2012 Apr;40(4):1088-1097  
PMID: 22080631 doi: [10.1097/CCM.0b013e3182373115](https://doi.org/10.1097/CCM.0b013e3182373115)
125. Lertnawapan R, Bian A, Rho YH, Raggi P, Oeser A, Solus JF, Gebretsadik T, **Shintani A**, Stein CM. Cystatin C is associated with inflammation but not atherosclerosis in systemic lupus erythematosus. *Lupus.* 2012 Mar;21(3):279-87. Epub 2011 Nov 9. PMID: 22072023  
doi: [10.1177/0961203311425527](https://doi.org/10.1177/0961203311425527)
126. Fiske CT, de Almeida AS, **Shintani AK**, Kalams SA, Sterling TR. Abnormal immune responses in persons with previous extrapulmonary tuberculosis in an in vitro model that simulates in vivo infection with *Mycobacterium tuberculosis*. *Clin Vaccine Immunol.* 2012 Aug;19(8):1142-9 Jun 6. [Epub ahead of print] PMID: 22675156 doi: [10.1128/CVI.00221-12](https://doi.org/10.1128/CVI.00221-12)
127. Morandi A, Rogers BP, Gunther ML, Merkle K, Pandharipande P, Girard TD, Jackson JC, Thompson J, Shintani AK, Geevarghese S, Miller RR 3rd, Canonico A, Cannistraci CJ, Gore JC, Ely EW, Hopkins RO; for the VISIONS Investigation (VISualizing Icu SurvivOrs Neuroradiological Sequelae). The relationship between delirium duration, white matter integrity, and cognitive impairment in intensive care unit survivors as determined by diffusion tensor imaging: The VISIONS prospective cohort magnetic resonance imaging study. *Crit Care Med.* 2012 Jul 40(7):2182-9 May 11. [Epub ahead of print] doi: [10.1097/CCM.0b013e318250acdc](https://doi.org/10.1097/CCM.0b013e318250acdc)
128. Seymour CW, Pandharipande PP, Koestner T, Hudson LD, Thompson JL, Shintani AK, Ely EW, Girard TD. Diurnal sedative changes during intensive care: Impact on liberation from mechanical ventilation and delirium. *Crit Care Med.* 2012 Oct;40(10):2788-2796. Jul 20. [Epub ahead of print] PMID: 22824928 doi: [10.1097/CCM.0b013e31825b8ade](https://doi.org/10.1097/CCM.0b013e31825b8ade)
129. Lipson A, Alexopoulos N, Hartlage GR, Arepalli C, Oeser A, Bian A, Gebretsadik T, Shintani A, Stillman AE, Stein CM, Raggi P. Epicardial adipose tissue is increased in patients with systemic lupus erythematosus. *Atherosclerosis.* 2012 Aug;223(2):389-93. Epub 2012 Jun 17  
PMID: 22770992 doi: [10.1016/j.atherosclerosis.2012.06.006](https://doi.org/10.1016/j.atherosclerosis.2012.06.006)
130. Bradham WS, Bian A, Oeser A, Gebretsadik T, Shintani A, Solus J, Estis J, Lu QA, Todd J, Raggi P, Stein CM. High-sensitivity cardiac troponin-I is elevated in patients with rheumatoid arthritis,

- independent of cardiovascular risk factors and inflammation. *PLoS One*. 2012;7(6):e38930. Epub 2012 Jun 28. PMID: 22761714 [doi:10.1371/journal.pone.0038930](https://doi.org/10.1371/journal.pone.0038930) PMCID:PMC3386265
131. Kripalani S, Roumie CL, Dalal AK, Cawthon C, Businger A, Eden SK, Shintani A, Sponsler KC, Harris LJ, Theobald C, Huang RL, Scheurer D, Hunt S, Jacobson TA, Rask KJ, Vaccarino V, Gandhi TK, Bates DW, Williams MV, Schnipper JL; for the PILL-CVD (Pharmacist Intervention for Low Literacy in Cardiovascular Disease) Study Group. Effect of a Pharmacist Intervention on Clinically Important Medication Errors After Hospital Discharge: A Randomized Trial. *Ann Intern Med*. 2012 Jul 3;157(1):1-10. PMID: 22751755
132. Gunther ML, Morandi A, Krauskopf E, Pandharipande P, Girard TD, Jackson JC, Thompson J, Shintani AK, Geevarghese S, Miller RR 3rd, Canonico A, Merkle K, Cannistraci CJ, Rogers BP, Gatenby JC, Heckers S, Gore JC, Hopkins RO, Ely EW; for the VISIONS Investigation (VISualizing Icu SurvivOrs Neuroradiological Sequelae). The association between brain volumes, delirium duration, and cognitive outcomes in intensive care unit survivors: The VISIONS cohort magnetic resonance imaging study\* *Crit Care Med*. 2012 Jul;40(7):2022-2032. PMID:22710202 [doi: 10.1097/CCM.0b013e318250acc0](https://doi.org/10.1097/CCM.0b013e318250acc0)
133. Girard TD, Ware LB, Bernard GR, Pandharipande PP, Thompson JL, Shintani AK, Jackson JC, Dittus RS, Ely EW. Associations of markers of inflammation and coagulation with delirium during critical illness. *Intensive Care Med*. 2012 Aug 18. [Epub ahead of print] PMID: 22903241 [doi: 10.1007/s00134-012-2678-x](https://doi.org/10.1007/s00134-012-2678-x)
134. Yamamoto S, Yancey PG, Ikizler TA, Jerome WG, Kaseda R, Cox B, Bian A, Shintani A, Fogo AB, Linton MF, Fazio S, Kon V. [Dysfunctional High-Density Lipoprotein in Patients On Chronic Hemodialysis](https://doi.org/10.1016/j.jacc.2012.09.013). *J Am Coll Cardiol*. 2012 Oct 25. doi:pii: S0735-1097(12)04651-7. 10.1016/j.jacc.2012.09.013. [Epub ahead of print] PMID: 23141484
135. Mozaffarian D, Marchioli R, Macchia A, Silletta MG, Ferrazzi P, Gardner TJ, Latini R, Libby P, Lombardi F, O'Gara PT, Page RL, Tavazzi L, Tognoni G; OPERA Investigators. [Fish oil and postoperative atrial fibrillation: the Omega-3 Fatty Acids for Prevention of Post-operative Atrial Fibrillation \(OPERA\) randomized trial](https://doi.org/10.1093/ajph/102.11.2001). *JAMA*. 2012 Nov 21;308(19):2001-11. PMID: 23128104
136. Achinger SG, Ikizler TA, Bian A, Shintani A, Ayus JC. [Long-term effects of daily hemodialysis on vascular access outcomes: A prospective controlled study](https://doi.org/10.1111/j.1542-4758.2012.00756.x). *Hemodial Int*. 2012 Sep 28. doi: 10.1111/j.1542-4758.2012.00756.x. [Epub ahead of print] PMID: 23016876
137. Hung AM, Sundell MB, Plotnikova NE, Bian A, Shintani A, Ellis CD, Siew ED, Ikizler TA. [A Pilot Study of Active Vitamin D Administration and Insulin Resistance in African American Patients Undergoing Chronic Hemodialysis](https://doi.org/10.1002/ajkd.1211). *J Ren Nutr*. 2012 Sep 6. [Epub ahead of print] PMID: 22959781
138. McPherson JA, Wagner CE, Boehm LM, Hall JD, Johnson DC, Miller LR, Burns KM, Thompson JL, Shintani AK, Ely EW, Pandharipande PP. [Delirium in the Cardiovascular ICU: Exploring Modifiable Risk Factors](https://doi.org/10.1093/crm/ckr281). *Crit Care Med*. 2012 Dec 19. [Epub ahead of print] PMID: 23263581
139. Hughes CG, Morandi A, Girard TD, Riedel B, Thompson JL, Shintani AK, Pun BT, Ely EW, Pandharipande PP. [Association between Endothelial Dysfunction and Acute Brain Dysfunction during Critical Illness](https://doi.org/10.1093/ajph/102.11.2001). *Anesthesiology*. 2012 Dec 19. [Epub ahead of print] PMID: 23263016



140. Powers JS, Doering T, Gordon S, Eden SK, Shintani A, Schnelle J, Van Haitsma K. [Exploring the Utility of Ultra-Brief Delirium Assessments in a Nonintensive Care Geriatric Population: The GEM Study](#). *Gerontologist*. 2012 Dec 10. [Epub ahead of print] PMID: 23231946
141. Guzman RJ, Bian A, Shintani A, Stein CM. [Association of foot ulcer with tibial artery calcification is independent of peripheral occlusive disease in type 2 diabetes](#). *Diabetes Res Clin Pract*. 2013 Jan 7. doi:pii: S0168-8227(12)00520-7. 10.1016/j.diabres.2012.12.022. [Epub ahead of print] PMID: 23305901
142. Ormseth MJ, Lipson A, Alexopoulos N, Hartlage GR, Oeser AM, Bian A, Gebretsadik T, Shintani A, Raggi P, Stein CM. [Epicardial adipose tissue is associated with cardiometabolic risk and the metabolic syndrome in patients with rheumatoid arthritis](#). *Arthritis Care Res (Hoboken)*. 2013 Apr 16. doi: 10.1002/acr.22027. [Epub ahead of print] PMID:23592527
143. Ferrell N, Cameron KO, Groszek JJ, Hofmann CL, Li L, Smith RA, Bian A, Shintani A, Zydney AL, Fissell WH. [Effects of pressure and electrical charge on macromolecular transport across bovine lens basement membrane](#). *Biophys J*. 2013 Apr 2;104(7):1476-84. doi: 10.1016/j.bpj.2013.01.062. PMID: 23561524
144. Wright Nunes J, Greene JH, Wallston K, Eden S, Shintani A, Elasy T, Rothman RL, Ikizler TA, Cavanaugh KL. [Pilot Study of a Physician-Delivered Education Tool to Increase Patient Knowledge About CKD](#). *Am J Kidney Dis*. 2013 Mar 26. doi:pii: S0272-6386(13)00478-2. 10.1053/j.ajkd.2013.01.023. [Epub ahead of print] PMID:23540261
145. Cox ZL, McCoy AB, Matheny ME, Bhave G, Peterson NB, Siew ED, Lewis J, Danciu I, Bian A, Shintani A, Ikizler TA, Neal EB, Peterson JF. [Adverse Drug Events during AKI and Its Recovery](#). *Clin J Am Soc Nephrol*. 2013 Mar 28. [Epub ahead of print] PMID: 23539228
146. Koethe JR, Dee K, Bian A, Shintani A, Turner M, Bebawy S, Sterling TR, Hulgán T. [Circulating Interleukin-6, Soluble CD14, and Other Inflammation Biomarker Levels Differ Between Obese and Nonobese HIV-Infected Adults on Antiretroviral Therapy](#). *AIDS Res Hum Retroviruses*. 2013 Apr 11. [Epub ahead of print] PMID: 23469772

***Acknowledged:***

1. Donahue LP, Hulgán T, Hawkins C, Unutmaz D, D'Aquila R, Raffanti S, Nicotera F, Rebeiro P, Erdem H, Rueff M, Haas DW. T Cell-p-glycoprotein Activity is Coordinately Regulated During HIV-1 Infection. *Journal of Acquired Immune Deficiency Syndrome*. 2003 Oct 1; 34(2): 119-126.
2. Concato J, Wells CK, Horwitz RI, Penson D, Fincke G, Berlowitz DR, Froehlich G, Blake D, Vickers MA, Gehr GA, Raheb NH, Sullivan G, Peduzzi P. The Effectiveness of Screening for Prostate Cancer: A Nested Case-control Study. *Archives of Internal Medicine*. 2006 Jan 9; 166(1): 7-8.

**B. LETTERS TO EDITOR:**

1. Peduzzi P, **Kamina A**, Detre K. The Veterans Affairs Cooperative Study of Coronary Artery Bypass Surgery for Stable Angina: A Continuing Debate after 22 Years. *American Journal of Cardiology*. 1999; 83: 303-304.
2. Bonchek LI, Peduzzi P, **Kamina A**, Detre K. The Veterans Affairs Cooperative Study of Coronary Artery Bypass Surgery for Stable Angina: A Continuing Debate after 22 Years. *American Journal of Cardiology*. 1999 Jan; 81(12):1393-1399.
3. Elasy TA, Graber AL, Wolff K, Brown A, **Shintani A**. Glycemic Relapse after an Intensive Outpatient Intervention for Type 2 Diabetes. *Diabetes Care*. 2003 Mar; 26(5): 1645-1646.
4. Chung CP, Oeser A, Gebretsadik T, **Shintani A**, Stein CM. Is Atherosclerosis in Rheumatoid Arthritis Related to Disease Severity and Extraarticular Manifestations? Comment on the article - Reply. *Arthritis and Rheumatism*. 2006 Apr; 54(4): 1353-1354.
5. Girard TD, **Shintani AK**, Ely EW. Statistical Challenges in ICU Delirium Research. *Intensive Care* 2009
6. **Shintani AK**, Girard TD, Ely EW. Immortal time bias in critical care. *Crit Care Med*. 2010 Apr;38(4):1229.
7. Vasilevskis EE, Han JH, **Shintani A**, Girard TD, Ely EW. Delirium and mortality risk prediction: a story in evolution. *Crit Care*. 2010;14(5):449; author reply 449. PMID: 21062516

### C. PUBLISHED ARTICLES IN TEACHING BIOSTATISTICS

P-value, SE vs SD, Computing sample size and power,

Issue 2912, <http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02912> 03

Selecting proper statistical tests

Issue 2927, <http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02927> 03

Selecting proper regression analysis

Issue 2933. <http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02937> 06

Sample size and Power estimation

issue 2937 <http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02937> 06

Multiple Comparisons

Issue 2941, <http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02941> 06

Interim Analysis

Issue 2945 <http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02945> 03

Multivariable analysis——Selecting Independent variable

issue 2949 <http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02949> 04

Analyzing RCT data

Issue 2955 <http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02955> 03

Interaction and Effect modification

Issue 2958 <http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02958> 03

Sensitivity and Specificity

Issue 2963 <http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02963> 06

Statistical Graphs

Issue 2967 [http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02967\\_03](http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02967_03)  
Equivalence and non-inferiority Trials  
Issue 2971 [http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02971\\_04](http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02971_04)  
Kaplan Meier Curves, concept of survival analysis  
Issue 2974 [http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02974\\_05](http://www.igaku-shoin.co.jp/paperDetail.do?id=PA02974_05)

#### **D. BOOK REVIEW**

**Shintani AS.** Book review of *Multivariable Analysis* by Katz. Teaching Statistics in the Health Sciences Newsletter. March 2007.

## ACADEMIC CITATION FREQUENCY:

The following lists top 43 papers cited more than 43 times. Dr. Shintani's H-index is 43 as of November 2012 according to Web of Science Database.

<b>Number of Times Cited</b>	<b>First Author</b>	<b>Journal</b>	<b>Year</b>	<b>Volume and Pages</b>
862	Ely	JAMA	2004	291(14): 1753-62
504	Asanuma	N Engl J Med	2003	349(25): 2407-15
481	Ely	JAMA	2003	289(22): 2983-91
486	Girard	Lancet	2008	371(9607): 126-34.
375	Pandharipande	Anesthesiology	2006	104 (1): 21-26
275	Pandharipande	JAMA	2008	298(22): 2644-53.
299	Milbrandt	Crit Care	2004	32: 955-62
218	Thomason	Crit Care	2005	9(4): R375-81
214	Peterson	JAGS	2006	54(3): 479-84.
180	Jackson	Crit Care Med	2003	31(4): 1226-34
181	Rothman	JAMA	2005	118(3): 276-84
183	Chung	Arthritis Rheum	2005	52(10): 3045-53
143	Hartert	Am J Obstet Gynecol	2003	189(6): 1705-12
152	Rothman	Am J Prev Med	2006	31: 391-98
126	Rothman	Am J Med	2005	118: 276-84
120	Chung	Atherosclerosis	2008	196 (2): 756-63
102	Meyer-Olson D	J Exp Med	2004	200(3): 307-19
118	Pun	Crit Care Med	2005	33(6): 1199-1205.
111	Girard	Crit Care	2007	11(1): R28
146	Girard	Crit Care Med	2010	38, 1513-1520
89	Asanuma	J Rheumatology	2006	33( 3): 539-45
87	Chung	Annals Rheum Dis	2007	66 (2): 208-14
99	Cavanaugh	Annals Int Med	2008	148 (10): 737-U40
124	Pandharipande	J Trauma Injury Infec Crit Care	2008	65 (1) 34-41
96	Pandharipande	Int Care Med	2007	33 (10) 1726-31
64	Ely EW	Crit Care Med	2007	35 (1): 112-17
55	Ely EW	Int Care Med	2004	30 (8) 1537-43
64	Chung	Arthritis Research and Therap	2006	8(6) R186
65	Matthews	Supportive Care in Cancer	2007	15(2): 203-211
75	Siew	JASN	2009	20(8):1823-32
59	Ramos	J ASN	2008	19(3): 593-599
51	Chung	Arthritis Rheumatism	2008	58(7): 2105-2112

58	Rho	Arthritis Rheum	2009	60(7):1906-143
47	Figaro	Diabetes Care	2006	29(9): 2039-2045
44	Asanuma	Artherosclerosis	2007	1995(2): e135-141
74	Girard	Critical Care	2007	35(1): 112-117.
61	Rho	Arthritis Care & Research	2010	62(10):1473-80
59	Girard	Critical Care	2010	38(2):428-37
58	Jackson	Am J Respir Crit Care Med.	2010	182(2):183-91
57	Pandharipande	Critical Care	2010	14(2):R38
50	Devasia	Am J Respir Crit Care Med.	2009	50(4):1390-6.
54	Shahabi	Crit Care Med	2010	38(12): 2311-2318
46	Rho	J Rheumatology	2008	35(9): 1789-1794

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