WELCOME

WELCOME TO RUTGERS UNIVERSITY LIBRARIES’ CELEBRATION OF SCHOLARSHIP, A WEEKLONG RECOGNITION OF THE ACADEMIC ACHIEVEMENTS OF RUTGERS UNIVERSITY FACULTY. JOIN US FROM MARCH 27 TO MARCH 31, 2017 AS WE CALL ATTENTION TO SCHOLARSHIP FROM ACROSS THE UNIVERSITY.

A DIGITAL SHOWCASE OF WORKS UNIVERSITYWIDE WILL BE AVAILABLE AT LIBRARIES.RUTGERS.EDU/CELEBRATION AT THE CONCLUSION OF THE WEEK’S EVENTS.

RUTGERS BIOMEDICAL AND HEALTH SCIENCES SCHEDULE

MONDAY, MARCH 27
ROBERT WOOD JOHNSON LIBRARY, MAIN LOBBY
DIGITAL DISPLAY VIEWINGS AND REFRESHMENTS
ANYTIME FROM 9 A.M. TO NOON

TUESDAY, MARCH 28
GEORGE F. SMITH LIBRARY, MAIN LOBBY
DIGITAL DISPLAY VIEWINGS AND REFRESHMENTS
ANYTIME FROM NOON TO 3 P.M.

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THANK YOU

RUTGERS UNIVERSITY LIBRARIES WOULD LIKE TO THANK ALL OF THE FACULTY WHO HAVE CONTRIBUTED TO THIS YEAR’S CELEBRATION BY SUBMITTING INFORMATION ABOUT THEIR PROJECTS TO US. WE ARE PROUD TO CALL ATTENTION TO YOUR ACHIEVEMENTS!

2017 CELEBRATION OF SCHOLARSHIP
RUTGERS BIOMEDICAL AND HEALTH SCIENCES–NEWARK

ACADEMIC DENTISTRY CAREER DEVELOPMENT (APRIL 2017)

ROSA CHAVIANO MORAN
CHAIR

STUDENT AFFAIRS
SCHOOL OF DENTAL MEDICINE

DR. HERMINIO PEREZ, CO-CHAIR

THE PRIMARY PURPOSE IS TO INCREASE AWARENESS AND INTEREST IN ACADEMIC DENTAL CAREERS AND TO IMPLEMENT A STANDARDIZED CURRICULUM WHICH WILL INCREASE CONFERENCE SPEAKERS’ CONFIDENCE IN RAISING DENTAL STUDENTS’ AWARENESS OF ACADEMIC DENTAL CAREERS.

PRACTICAL HANDBOOK OF MICROBIOLOGY, 3RD ED. (2015)

EMANUEL GOLDMAN
COEDITOR

MICROBIOLOGY
NEW JERSEY MEDICAL SCHOOL

LORRENCE GREEN, COEDITOR
The *Practical Handbook of Microbiology* presents basic knowledge about working with microorganisms in a clear and concise form. It also provides in-depth information on important aspects of the field “from classical microbiology to genomics” in one easily accessible volume.


**Sarah Jewell**
Coeditor

**Margaret Foster**, Coeditor

The book is for any librarian interested in conducting systematic reviews or assisting others with reviews. It has several applications: for training librarians new to systematic reviews, for those developing a new systematic review service, for those wanting to establish protocols for a current service, and as a reference for those conducting reviews or running a service.
“CONGENITAL MUSCULAR TORTICOLLIS AND CRANIAL DEFORMATION” IN CAMPBELL’S PHYSICAL THERAPY FOR CHILDREN EXPERT CONSULT, 5TH ED. (2017)

SANDRA KAPLAN
LEAD AUTHOR

REHABILITATION & MOVEMENT SCIENCES
SCHOOL OF HEALTH PROFESSIONS

COLLEEN COULTER, BARBARA SARGENT

THIS CHAPTER INCLUDES UP-TO-DATE EVIDENCE FOR THE PHYSICAL THERAPY MANAGEMENT OF CONGENITAL MUSCULAR TORTICOLLIS AND CRANIAL DEFORMATION, WITH ONLINE SUPPLEMENTS INCLUDING A CASE STUDY AND VIDEOS TO ILLUSTRATE SELECTED TESTS AND INTERVENTIONS. THE CAMPBELL TEXT IS A LEADING TEXTBOOK ON PEDIATRIC PHYSICAL THERAPY.

GLAUCOMA TELEMEDICINE VS. CONVENTIONAL CARE: NEW JERSEY HEALTH FOUNDATION PROSPECTIVE CLINICAL TRIAL (OCTOBER 2016)

ALBERT S. KHOURI
PRINCIPAL INVESTIGATOR

DEPARTMENT OF OPHTHALMOLOGY AND VISUAL SCIENCE
NEW JERSEY MEDICAL SCHOOL

NICOLE MENDEZ AND BERNARD SZIRTH, COINVESTIGATORS
The clinical objective of this study was to determine the effectiveness of telemedicine in the diagnosis and management of glaucoma and to validate it for patient outcomes. In conclusion, glaucoma diagnosis and management was feasible with this comprehensive telemedicine program.

**ALTERED PAIN MODULATION IN PATIENTS WITH PERSISTENT POSTENDEODONTIC PAIN (2015)**

**CIBELE NASRI-HEIR**

Coinvestigator

**DIAGNOSTIC SCIENCES**

**SCHOOL OF DENTAL MEDICINE**

Khan J., Benoliel R., Feng C., Yarnitsky D., Kuo F., Hirschberg C., Hartwell G., Huang C.Y., Heir G., Korczyniewska O., and Diehl S.R., Coinvestigators; Eliav E., Principal Investigator

The study assessed the pain modulatory system of patients suffering from persistent post root canal therapy pain also known as painful posttraumatic trigeminal neuropathy (PTTN). The findings suggest that PTTN is associated more with the inhibitory rather than the facilitatory arm of pain modulation and that the central nervous system has a role in PTTN pathophysiology, possibly in a time-dependent fashion.

This research was supported by NIH Grant R21DE01790001A2.
REMINISCENCES ON THE PEDIATRIC HIV PANDEMIC (1970–CURRENT)

JAMES OLESKE
PHYSICIAN INVESTIGATOR

PEDIATRICS
NEW JERSEY MEDICAL SCHOOL

THIS PROJECT DESCRIBES THE EVOLUTION IN THE CARE OF CHILDREN WITH THE LIFE-LIMITING ILLNESS OF PERINATAL HIV INFECTION TO A PALLIATIVE AND END-OF-LIFE CARE PROGRAM WITH ANY LIFE-LIMITING OR LIFE-ENDING ILLNESS/CONDITION.

COMMUNICATING SCIENCE (ONGOING)

NICHOLAS M. PONZIO
DIRECTOR

PATHOLOGY
NEW JERSEY MEDICAL SCHOOL AND GRADUATE SCHOOL OF BIOMEDICAL SCIENCES

JANET ALDER, MARY NUCCI, CAROL LUTZ, DAVID DANNENFELSER, HOLLY HILTON, NICK LINARDOPOULOS

RESEARCHERS CONDUCT GREAT SCIENCE IN THE LAB EVERY DAY, BUT NEED TO IMPROVE THEIR COMMUNICATION SKILLS IN ORDER TO EXPLAIN THEIR RESEARCH AND ITS SIGNIFICANCE TO DIVERSE AUDIENCES. WITH FUNDING FROM THE BURROUGHS WELLCOME FUND, WE HAVE DEVELOPED AN INNOVATIVE COURSE TITLED COMMUNICATING SCIENCE TO HELP DOCTORAL SCIENCE
Trainees at Rutgers University learn how to create presentations for various audiences that are easy to understand, avoid technical jargon, and clearly explain the significance and potential benefits of their research.

**STUDIES OF DRUG USERS (REINITIATED IN 2015, ONGOING SINCE 1984)**

**STANLEY WEISS**
PRINCIPAL INVESTIGATOR

**MEDICINE**
NEW JERSEY MEDICAL SCHOOL

**DANIEL M. ROSENBLUM, PHD, CO-PI AND BIOSTATISTICIAN**

We are now interviewing drug users at long-term methadone- and suboxone-based treatment centers to assess overdose issues, access to care, behaviors, health insurance status, and infection with and barriers to hepatitis C treatment.

**ETHANOL WITHDRAWAL DRIVES ANXIETY-RELATED BEHAVIORS VIA REDUCING M-TYPE POTASSIUM CHANNEL ACTIVITY IN THE LATERAL-HABITUAL (JANUARY 2015–DECEMBER 2016)**

**JIANG-HONG YE**
PRINCIPAL INVESTIGATOR
ANESTHESIOLOGY,
NEW JERSEY MEDICAL SCHOOL

SEUNGWOO KANG, CONCEIVED, DESIGNED, AND PERFORMED MOLECULAR AND BEHAVIORAL EXPERIMENTS; JING LI AND WANHONG ZUO, PERFORMED BEHAVIORAL EXPERIMENTS; RAO FU AND DANIELLE GREGOR, PERFORMED MOLECULAR EXPERIMENTS

WITHDRAWAL FROM REPEATED ALCOHOL EXPOSURE INDUCES ANXIETY-LIKE BEHAVIORS. THE LATERAL HABENULA, A SMALL EPITHALAMIC AREA, HAS AN IMPORTANT ROLE TO MODULATE THE WITHDRAWAL-INDUCED ANXIETY VIA M-TYPE POTASSIUM ION CHANNEL.


RENA ZELIG
PRINCIPAL INVESTIGATOR

NUTRITIONAL SCIENCES
SCHOOL OF HEALTH PROFESSIONS

RIVA TOUGER-DECKER, PHD, RD, CDN, FADA; LAURA BYHAM-GRAY, PHD, RD; DIANE RIGASSIO RADLER; PAMELA ROTHPLETZ-PUGLIA, EDD, RD; ANDREA FLEISCH MARCUS, PHD, MPH; STEVEN R. SINGER, DDS; EILEEN R. HOSKIN, DMD, FICO, FACD; MICHAEL CONTE, DMD, MPH
Phase 1 of this study quantitatively explored the associations between nutritional status (as defined by the Self-MNA), and dentition status (missing teeth and edentulism with and without denture/implant replacement) in older adults (>65 years old). An abstract was accepted for presentation at the Interactional Academy of Dental Research in San Francisco in March and a manuscript is in progress.

We are now beginning phase 2 of the study which will qualitatively assess for themes from interviews with older adults about the impact of impaired dentition on dietary intake and the eating experience.

This research is funded by an early career investigator grant awarded to the PI by the Sackler Institute for Nutritional Sciences.
MECHANISMS OF FORMALDEHYDE-INDUCED AIRWAY HYPERRESPONSIVENESS (JULY 2016)

JOSEPH ANTONY JUDE
LEAD AUTHOR

PHARMACOLOGY & TOXICOLOGY
ERNEST MARIO SCHOOL OF PHARMACY

CYNTHIA KOZIOL-WHITE, EDWIN YOO, JACQUELINE SCALA,
WILLIAM JESTER, CHRISTOPHER MAUTE, PAMELA DALTON,
REYNOLD PANETTIERI JR.

TOXICANTS AND AIR POLLUTANTS EXACERBATE AIRWAY DISEASES SUCH AS ASTHMA. OUR RESEARCH DEMONSTRATES THAT FORMALDEHYDE, AN INDOOR AIR POLLUTANT, MODULATES AIRWAY SMOOTH MUSCLE FUNCTION TO ENHANCE AIRWAY HYPERRESPONSIVENESS.


COLLEEN DONOVAN
AUTHOR, COORDINATOR

EMERGENCY MEDICINE
ROBERT WOOD JOHNSON MEDICAL SCHOOL

The project was conducted by the University Center for Disaster Preparedness and Emergency Response at Robert Wood Johnson University Hospital under a grant from the United States Army Telemedicine and Advanced Technology Research Center of the United States Army Medical Research and Materiel Command.

The project team compiled information from open-source publications and from subject matter experts reflecting the US military experience in Operation Iraqi Freedom and Operation Enduring Freedom, US civilian experience from civilian out-of-hospital and hospital health care systems, and Israeli civilian and military experience.

A tabletop exercise, conducted in two phases during two days, was held to probe for omissions and inconsistencies in the planning effort. The final recommendations were presented at an international symposium in Washington, D.C.
FOR MORE THAN 25 YEARS, CURRENT THERAPY IN COLON AND RECTAL SURGERY HAS BEEN THE GO-TO RESOURCE FOR PREPARING FOR THE AMERICAN BOARD OF SURGERY CERTIFICATION EXAM. FOLLOWING IN THIS TRADITION, THE THIRD EDITION OFFERS A COMPREHENSIVE, CONTEMPORARY SUMMARY OF TREATMENT OPTIONS FOR COLORECTAL DISEASES, WITH A FOCUS ON PRACTICAL CLINICAL SCIENCE AND APPLICATIONS. IN A SINGLE, PORTABLE VOLUME, YOU’LL FIND COMPLETE COVERAGE OF NEW DIAGNOSTIC MODALITIES, MEDICAL THERAPEUTICS, AND SURGICAL TREATMENT OPTIONS, INCLUDING MINIMALLY INVASIVE SURGERY. EASY TO READ AND DIGEST, IT PROVIDES A QUICK CONSULTATION WITH EXPERTS ON THE ESSENTIALS OF COLON AND RECTAL SURGERY.
Last spring, Rutgers Biomedical and Health Sciences-Special Collections received a donation of approximately 800 small paintings of human anatomy and surgical procedures executed by Dr. Edgar Burke (1890-1950), who was a surgeon at Jersey City Medical Center. Theodore Eisenstat, MD, professor of surgery, spoke about the legacy of Dr. Burke in a special presentation “Surgical Education: Then and Now,” at the mid-winter meeting of the Lunar Society on February 8. Taking place at Alexander Library in New Brunswick, the event was cosponsored by Rutgers University Libraries and the Medical History Society of New Jersey.

Learning Curve of Robotic Inguinal Lymphadenectomy (February 2017)

Sammy Elsamra
Primary Investigator

Urology
Robert Wood Johnson Medical School

Rutveej Patel, Christopher Han, George Mulheron, Vadim Koshenkov

We adopted a novel approach to inguinal lymphadenectomy using a minimally invasive approach which decreases morbidity significantly compared to open inguinal lymphadenectomy. After initial cadaveric dissection with the help of Dr. Mulheron, we conducted laparoscopic inguinal lymphadenectomy in two thighs and then robotic inguinal lymphadenectomy in 10.
THIGHS. THIS APPROACH CAN BE UTILIZED FOR PENILE CANCER, VULVAR MALIGNANCIES, AND MELANOMA. WE ASSESSED THE LEARNING CURVES ASSOCIATED WITH THE ADOPTION OF THIS APPROACH AND DESPITE UNFAMILIAR APPROACH AND ANATOMY WE DEMONSTRATED ONCOLOGY PROFICIENCY WITH MINIMAL LEARNING CURVE REQUIRED. THIS PROJECT WAS PRESENTED AT THE FIRST ANNUAL NORTH AMERICAN ROBOTIC UROLOGIC SYMPOSIUM ON FEB 17-18, 2017 IN LAS VEGAS, NEVADA.

ALTERED NAD++-DEPENDENT SIRT1 AS A BIOMARKER OF CIRCADIAN DISRUPTION BY SHIFT WORK (MARCH 2017–FEBRUARY 2019)

MINGZHU FANG
PRINCIPAL INVESTIGATOR

ENVIRONMENTAL & OCCUPATIONAL HEALTH
SCHOOL OF PUBLIC HEALTH

DR. PAMELA OHMAN STRICKLAND IN BIOSTATISTICS; DR. HOWARD KIPEN IN SUBJECT RECRUITING AND SAMPLE COLLECTION; DR. HELMUT ZARBL IN GENETIC MECHANISMS OF BREAST CANCER; DR. JUDITH GRABER IN EPIDEMIOLOGY

TESTS THE HYPOTHESES THAT DISRUPTION OF CIRCADIAN RHYTHM ASSOCIATED WITH SHIFT WORK INCREASES THE RISK OF BREAST CANCER BY INDUCING ABNORMAL CIRCADIAN CYCLING AND REDUCING LEVELS OF INTRACELLULAR REDOX POWER AND SURVIVAL ENZYME ACTIVITY. THE GOAL IS TO DEVELOP MECHANISTIC BIOMARKERS OF DISRUPTED CIRCADIAN RHYTHM FOR FUTURE INTERVENTION STUDY IN INDIVIDUALS WITH ABERRANT CIRCADIAN RHYTHM DUE TO SHIFT WORK.
ASSOCIATION OF DRUG AND ALCOHOL USE WITH ADOLESCENT FIREARM MOMICIDE AT INDIVIDUAL, FAMILY, AND NEIGHBORHOOD LEVELS (2016)

BERNADETTE HOHL
LEAD AUTHOR

EPIDEMIOLOGY
RUTGERS SCHOOL OF PUBLIC HEALTH

SHARI WILEY, DOUGLAS WIEBE

HOMICIDE IS THE THIRD LEADING CAUSE OF DEATH FOR ADOLESCENTS IN THE UNITED STATES AND THE LEADING CAUSE OF DEATH FOR ADOLESCENTS WHO ARE AFRICAN AMERICAN. LARGE CITIES HAVE DISPROPORTIONATE HOMICIDE RATES. ALMOST ALL ADOLESCENT HOMICIDES IN PHILADELPHIA BETWEEN 2010 AND 2012 WERE COMMITTED WITH A FIREARM. SUBSTANCE USE AT THE INDIVIDUAL, FAMILY, AND NEIGHBORHOOD LEVELS WAS ASSOCIATED WITH INCREASED ODDS OF ADOLESCENT FIREARM HOMICIDE; DRUG USE WAS ASSOCIATED AT ALL THREE LEVELS AND ALCOHOL AT THE INDIVIDUAL AND NEIGHBORHOOD LEVELS. EXPANDING VIOLENCE PREVENTION EFFORTS TO TARGET DRUG AND ALCOHOL USE AT MULTIPLE LEVELS MAY HELP TO REDUCE THE FIREARM VIOLENCE THAT DISPROPORTIONATELY AFFECTS ADOLESCENTS IN MINORITY POPULATIONS IN LARGE US CITIES.
This survey study of 305 New Jersey breast and prostate cancer survivors found primary care providers received higher ratings for coordination of care and comprehensive care than oncologists in terms of long term follow-up care. It also found differences between breast and prostate cancer survivors in terms of the strength of the reported personal bonds they have with their primary care providers and oncologists which should be considered when planning care models and interventions for follow up care for these different populations.
“WAVE PARTICLE DUALITY IN PHYSICS AND BIOMEDICAL SCIENCES” (2016)

SUNGCHUL JI
AUTHOR

PHARMACOLOGY AND TOXICOLOGY
ERNEST MARIO SCHOOL OF PHARMACY

A NEW MATHEMATICAL EQUATION CALLED THE PLANCKIAN DISTRIBUTION EQUATION (PDE) WAS DERIVED IN 2008 BY REPLACING THE UNIVERSAL CONSTANTS AND TEMPERATURE IN PLANCK’S BLACKBODY RADIATION EQUATION DISCOVERED IN 1900. PDE HAS BEEN FOUND TO FIT MANY, IF NOT ALL, LONG-TAILED HISTOGRAMS GENERATED IN ATOMIC PHYSICS, PROTEIN FOLDING, SINGLE-MOLECULE ENZYMOMYOLGY, WHOLE CELL mRNA METABOLISM, FMRI SIGNALS, DECISION-MAKING TIME DISTRIBUTIONS, GLOTTOMETRICS, ECONOPHYSICS, AND COSMOLOGY. THE COMMON MECHANISM UNDERLYING ALL THE PHYSICOCHEMICAL PROCESSES THAT GENERATE THE HISTOGRAMS FITTING PDE ARE THOUGHT TO BE THE SELECTION OF A SUBSET OF RANDOMLY ACCESSIBLE PROCESSES BASED ON SOME OBSERVABLE FUNCTIONS.

THE RISE OF CONSCIOUSNESS AND THE DEVELOPMENT OF EMOTIONAL LIFE (2014)

MICHAEL LEWIS
AUTHOR

PEDIATRICS
ROBERT WOOD JOHNSON MEDICAL SCHOOL
AWARDED THE 2014 WILLIAM JAMES BOOK AWARD BY THE AMERICAN PSYCHOLOGICAL ASSOCIATION, MICHAEL LEWIS’S BOOK THE RISE OF CONSCIOUSNESS AND THE DEVELOPMENT OF EMOTIONAL LIFE ARGUES FOR THE CENTRALITY OF CONSCIOUSNESS IN EMOTIONAL DEVELOPMENT. FOLLOWING DARWIN AND THE RECENT RESEARCH ON INFANTS’ COMPLEX BEHAVIORS, HE ARGUES THAT THESE CAPACITIES ARE ACTION PATTERNS OR PROCEDURAL RULES THAT HAVE EVOLVED AND CONSTITUTE INNATE ACTIONS IN RESPONSE TO PARTICULAR PHYSICAL EVENTS IN THE CHILD’S WORLD. THESE ACTION PATTERNS ARE NOT LEARNED, BUT ARE READILY INFLUENCED BOTH BY THE INFANTS’ TEMPERAMENT AND SOCIAL INTERACTIONS. WITH THE EMERGENCE OF CONSCIOUSNESS, THESE EARLY ACTION PATTERNS BECOME REFLECTED FEELINGS, AND AT THE SAME TIME CONSCIOUSNESS GIVES RISE TO A NEW SET OF FEELINGS CALLED THE SELF-CONSCIOUS EMOTIONS, WHICH INCLUDE EMPATHY, ENVY, SHAME, GUILT, PRIDE, AND EMBARRASSMENT. EMOTIONAL DEVELOPMENT IS THE TRANSFORMATION OF THESE INNATE ACTIONS IN THE PHYSICAL WORLD BY OUR CONSCIOUSNESS LEADING TO THE WORLD OF IDEAS AS THE CENTRAL THEME OF HUMAN EMOTIONAL LIFE.

“HIGH FIDELITY SIMULATION IMPROVES PROVIDER CONFIDENCE DURING ACLS TRAINING EVEN AMONG EXPERIENCED STAFF: ARE WE MISSING AN OPPORTUNITY?” (2016)

JONATHAN MCCOY
COINVESTIGATOR

EMERGENCY MEDICINE
ROBERT WOOD JOHNSON MEDICAL SCHOOL
KATHLEEN ZAVOTSKY, SANDIA ROYAL, KATHY SACKETT, LINDA TAMBURRI, JENNIFER JOINER, PAMELA OHMAN-STRICKLAND

WE ASSESSED PROVIDER CONFIDENCE BEFORE AND AFTER SIMULATED RESUSCITATION TRAINING. WE FOUND IMPROVEMENTS EVEN AMONG STAFF WHO REGULARLY WORKED IN INTENSIVE CARE UNITS AND WERE ACLS CERTIFIED, AND HAD WELL OVER 10 YEARS EXPERIENCE.

CREATION OF GLOBAL SURGERY TRACK FOR SURGERY RESIDENT MPH IN GLOBAL HEALTH/EPIDEMIOLOGY (JULY 2016-PRESENT)

RACHEL NEMOYER
INAUGURAL PARTICIPANT

SURGERY
ROBERT WOOD JOHNSON MEDICAL SCHOOL

GREGORY PECK, DO, PROGRAM CREATOR; STEPHAN SCHWANDER, MD, PhD, SPH COLLABORATOR; MICHAEL SCOTT, MD, PARTICIPANT; EUGENE MURPHY, PhD, COLLABORATOR; VICENTE GRACIAS, MD, COLLABORATOR

A COLLABORATIVE EFFORT BETWEEN THE RUTGERS SURGERY RESIDENCY, RUTGERS SCHOOL OF PUBLIC HEALTH, AND RUTGERS CENTERS FOR GLOBAL ADVANCEMENT AND INTERNATIONAL AFFAIRS TO CREATE AND FUND A GLOBAL SURGERY TRACK FOR SURGERY RESIDENTS TO OBTAIN AN MPH IN GLOBAL HEALTH/EPIDEMIOLOGY, WITH RESEARCH CONDUCTED IN COLOMBIA AND EVENTUALLY AROUND THE GLOBE TO INCORPORATE THE LANCET COMMITTEE ON GLOBAL SURGERY INDICATOR MEASUREMENTS.
VEIN OF GALEN MALFORMATION IN A NEONATE (APRIL 2016)

SURASAK PUVAABANDITSIN
LEADING AUTHOR

PEDIATRICS
ROBERT WOOD JOHNSON MEDICAL SCHOOL

RAJEEV MEHTA, CHRISTINA FERRUCCI-DA SILVA, KRISTY PALOMARES, SUDIPTA ROYCHOWDHURY

VEIN OF GALEN MALFORMATION (VOGM) IS A RARE CONGENITAL VASCULAR MALFORMATION CAUSED BY THE MALDEVELOPMENT OF ITS EMBRYONIC PRECURSOR, THE MEDIAN PROSENCEPHALIC VEIN OF MARKOWSKI. THIS PAPER REPORTS ON A SUCCESSFUL ENDOVASCULAR THERAPY FOR A VEIN OF GALEN MALFORMATION IN A NEONATE.

THE EFFECTS OF NURSING ON NICU PATIENT OUTCOMES (2016)

JEANNETTE ROGOWSKI
PRINCIPAL INVESTIGATOR

HEALTH SYSTEMS AND POLICY
SCHOOL OF PUBLIC HEALTH

EILEEN LAKE, COPRINCIPAL INVESTIGATOR

THIS PROJECT STUDIED THE ROLE OF NURSING IN PATIENT OUTCOMES FOR INFANTS WITH very low birth weights
Access Cardiology (March 2017)

Daniel Shindler
Author

Medicine
Robert Wood Johnson Medical School

Author of a multimedia cardiac auscultation course on the McGraw Hill Access Cardiology website. Topics include pericardial rub, ejection click, mitral valve prolapse, atrial S4 gallop, aortic regurgitation decrescendo murmur, and mitral stenosis.

Early Life SES, Birth Certificates, and Cancer in Adulthood (September 2016)

Antoinette Stroup
Lead Author

Epidemiology
Rutgers School of Public Health

(VLBW). It found that substantial neonatal intensive care unit (NICU) nurse understaffing relative to national guidelines is widespread. Understaffing is associated with an increased risk for VLBW nosocomial infection. Hospital administrators and NICU managers should assess their staffing decisions to devote needed nursing care to critically ill infants.
Kimberly Herget, Heidi Hanson, Diana Reed, Jared Butler, Kevin Henry, Janna Harrell, Carol Sweeney, Ken Smith, Coauthors

Early life socioeconomic status (SES) may play a role in cancer risk in adulthood. However, measuring SES retrospectively presents challenges. Parental occupation on the birth certificate is a novel method of ascertaining early-life SES that has not been applied in cancer epidemiology.

Individual SES derived from parental occupation at birth was associated with altered risk for several cancer sites. This novel methodology can contribute to improved understanding of the role of early-life SES in affecting cancer risk.

Psy-Feld (2010)

Anthony Tobia
Director
Psychiatry
Robert Wood Johnson Medical School

Psy-Feld is the title of a medical student didactic that runs on Tuesdays and Fridays. It is comprised of small group sessions where participants discuss selected episodes of the situational comedy Seinfeld through the lens of a psychiatrist.
**NOVEL NASAL TSE-PAP MASK ASSEMBLY (2013–2017)**

**JAMES TSE**

**INVENTOR**

ANESTHESIOLOGY, ROBERT WOOD JOHNSON MEDICAL SCHOOL
RBHS NEW BRUNSWICK

**ROSE ALLOTEH, MD; SYLVIANA BARSOUM, MD; SHAUL COHEN, MD**

A NOVEL APPROACH TO PROVIDE CONTINUOUS ACTIVE OXYGENATION IN OBESE/NON-OBESE PATIENTS WITH/WITHOUT OBSTRUCTIVE SLEEP APNEA UNDER PROCEDURE SEDATION. PATIENTS WITH POOR FACE-MASK FIT DURING INDUCTION OF GENERAL ANESTHESIA AND PATIENTS WITH DIFFICULT AIRWAY DURING AWAKE/SLEEP ENDOTRACHEAL INTUBATION.

**SMOKERS’ AND E-CIGARETTE USERS’ PERCEPTIONS ABOUT E-CIGARETTE WARNING STATEMENTS (JULY 2016)**

**OLIVIA WACKOWSKI**

**LEAD AUTHOR**

HEALTH EDUCATION AND BEHAVIORAL SCIENCE
SCHOOL OF PUBLIC HEALTH

**DAVID HAMMOND, RICHARD O’CONNER, ANDREW STRASSER, CRISTINE DELNEVO, COAUTHORS**

CIGARETTE WARNING LABELS ARE IMPORTANT SOURCES OF RISK INFORMATION, BUT WARNING RESEARCH FOR OTHER
TOBACCO PRODUCTS IS LIMITED. THIS STUDY AIMED TO GAUGE PERCEPTIONS ABOUT WARNINGS THAT MAY BE USED FOR E-CIGARETTES. WE CONDUCTED SIX SMALL FOCUS GROUPS IN LATE 2014/EARLY 2015 WITH ADULT CURRENT E-CIGARETTE USERS AND CIGARETTE-ONLY SMOKERS. PARTICIPANTS RATED AND DISCUSSED THEIR PERCEPTIONS OF SIX E-CIGARETTE WARNING STATEMENTS, AND WARNINGS IN TWO EXISTING VUSE AND MARKTEN E-CIGARETTE ADS. PARTICIPANTS WERE OPEN TO E-CIGARETTE WARNINGS AND PROVIDED THE STRONGEST REACTIONS TO STATEMENTS WARNING THAT E-LIQUID/E-VAPOR OR E-CIGARETTES CAN BE POISONOUS, CONTAIN TOXINS, OR ARE “NOT A SAFE ALTERNATIVE TO SMOKING.” HOWEVER, MANY ALSO NOTED THAT THESE STATEMENTS WERE EXAGGERATED, POTENTIALLY MISLEADING, AND COULD SCARE SMOKERS AWAY FROM REDUCING THEIR HARM BY SWITCHING TO E-CIGARETTES. OPINIONS ON THE FOOD AND DRUG ADMINISTRATION’S PROPOSED NICOTINE ADDICTION WARNING AND WARNINGS THAT E-CIGARETTES HAD NOT BEEN APPROVED FOR SMOKING CESSATION OR HAD UNKNOWN HEALTH EFFECTS WERE MIXED. PARTICIPANTS PERCEIVED MARKTEN’S ADVERTISEMENT WARNING TO BE STRONGER AND MORE NOTICEABLE THAN VUSE’S. CARE SHOULD BE TAKEN IN DEVELOPING E-CIGARETTE WARNINGS GIVEN THEIR RELATIVE RECENTNESS AND POTENTIAL FOR HARM REDUCTION COMPARED TO OTHER TOBACCO PRODUCTS. ADDITIONAL RESEARCH, INCLUDING WITH VARIED AUDIENCES, WOULD BE INSTRUCTIVE.