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Jefferson Digital Commons quarterly report: January-March 2018

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Jefferson Digital Commons Quarterly Report: January-March 2018

Our first quarter of 2018 has come to a close, and a busy one it was! Over the last three months we've had:

- **105,726** downloads
- **240** new works posted
- **186** countries visit the site
- **6,570** institutions access content

After Thomas Jefferson University, the institutions that viewed the most content were:

1. Department of Veteran Affairs
2. National Health Service
3. Hospital Corporation of America
4. Kaiser Foundation Health Plan
5. Penn Medicine

Check out our readership map to see what countries used the JDC, and keep reading below to see a listing of this quarter's new content.



Readership distribution, January-March 2018

Articles:

- The lower actinopterygian fauna from the Lower Carboniferous Albert shale formation of New Brunswick, Canada – a review of previously described taxa and a description of a new genus and species
- The Effect of Time, Roasting Temperature, and Grind Size on Caffeine and Chlorogenic Acid Concentrations in Cold Brew Coffee
- Interaction of RNA-binding protein HuR and miR-466i regulates GM-CSF expression.
- A simple and accurate rule-based modeling framework for simulation of autocrine/paracrine stimulation of glioblastoma cell motility and proliferation by L1CAM in 2-D culture.
- A comparison of two conjunctival rotation autograft techniques in primary pterygium surgery.
- Mutational patterns in chemotherapy resistant muscle-invasive bladder cancer.
- Managing the Complex Patient with Degenerative Cervical Myelopathy: How to Handle the Aging Spine, the Obese Patient, and Individuals with Medical Comorbidities.
- Process Improvement for Maximized Therapeutic Innovation Outcome.
- Of pools, oceans, and the Dead Sea.
- Buprenorphine in Neonatal Abstinence Syndrome.
- Natural Bioactive Compounds: Alternative Approach to the Treatment of Glioblastoma Multiforme
- Lacosamide and levetiracetam have no effect on sharp-wave ripple rate
- Evaluation of perampanel as monotherapy for focal seizures: Experience from open-label extension studies
- The Role of B Cell Targeting in Chronic Graft-Versus-Host Disease.
- Intermediate-Term Risk of Stroke Following Cardiac Procedures in a Nationally Representative Data Set.
- Season of the year influences infection rates following total hip arthroplasty
- Impact of Superstorm Sandy on Medicare Patients' Utilization of Hospitals and Emergency Departments.
- Modernizing dermatology interest groups in medical school: Certificate programs
- A novel mutation in ST14 at a functionally significant amino acid residue expands the spectrum of ichthyosis-hypotrichosis syndrome.
- The Immune-Epithelial Interaction in the Pathogenesis of Primary Sjogren's Syndrome
- Structural Analysis of Tankyrase-1 Regulation and Binding Partner Interaction
- Dissecting the Complex Mechanisms Behind the Combinatorial Activities of HIV-1 Entry Inhibitors
- Massage Therapy in Outpatient Cancer Care: A Metropolitan Area Analysis.

- A retrospective study evaluating endoscopic ultrasound-guided drainage of pancreatic fluid collections using a novel lumen-apposing metal stent on an electrocautery enhanced delivery system.
- ERK-mediated phosphorylation regulates SOX10 sumoylation and targets expression in mutant BRAF melanoma.
- Multicenter, randomized study to optimize bowel for colon capsule endoscopy
- Saturation mutagenesis reveals manifold determinants of exon definition.
- Fremanezumab for the Preventive Treatment of Chronic Migraine.
- Development of an objective assessment tool for total laparoscopic hysterectomy: A Delphi method among experts and evaluation on a virtual reality simulator.
- Acute Stroke Multimodal Imaging: Present and Potential Applications toward Advancing Care.
- Venous Thromboembolism Within Professional American Sport Leagues.
- CKS1 expression in melanocytic nevi and melanoma
- Platelet-Rich Plasma Injection With Percutaneous Needling for Recalcitrant Lateral Epicondylitis: Comparison of Tenotomy and Fenestration Techniques.
- Differential impact of RB status on E2F1 reprogramming in human cancer.
- The meiosis-specific Cdc20 family-member Ama1 promotes binding of the Ssp2 activator to the Smk1 MAP kinase.
- Patients and animal models of CNG β 1-deficient retinitis pigmentosa support gene augmentation approach.
- Deciphering a case of pulmonary hypertension in a young female: Partial anomalous pulmonary venous drainage the culprit
- Timing of vessel imaging for suspected large vessel occlusions does not affect groin puncture time in transfer patients with stroke.
- Sex Differences in Outcomes after Stroke in Patients with Diabetes in Ontario, Canada.
- Resolution of Occlusive Carotid Artery Thrombus Treated with Anticoagulation as Demonstrated on Duplex Ultrasonography.
- Readmission rates in not-for-profit vs. proprietary hospitals before and after the hospital readmission reduction program implementation.
- Systematic in vivo evaluation of the time-dependent inflammatory response to steel and Teflon insulin infusion catheters.
- Fasoracetam in adolescents with ADHD and glutamatergic gene network variants disrupting mGluR neurotransmitter signaling
- Determination of an optimal response cut-off able to predict progression-free survival in patients with well-differentiated advanced pancreatic neuroendocrine tumours treated with sunitinib: an alternative to the current RECIST-defined response.
- Ependymomas overexpress chemoresistance and DNA repair-related proteins

- Advances in the diagnosis, immunopathogenesis and therapies of IgM-anti-MAG antibody-mediated neuropathies.
- Pediatric Obesity: Influence on Drug Dosing and Therapeutics
- Advances in the diagnosis, immunopathogenesis and therapies of IgM-anti-MAG antibody-mediated neuropathies.
- Use of caudal epidural catheter in a child with cerebral palsy with prior posterior spine (T1-sacrum) fusion.
- Closed-loop stimulation of temporal cortex rescues functional networks and improves memory.
- Representing diversity in the dish: Using patient-derived in vitro models to recreate the heterogeneity of neurological disease
- Fibulin-4 is essential for maintaining arterial wall integrity in conduit but not muscular arteries.
- Global mapping of transcription factor motifs in human aging.
- Consensus guidelines for newborn screening, diagnosis and treatment of infantile Krabbe disease.
- Breaking Symmetry in Viral Icosahedral Capsids as Seen through the Lenses of X-ray Crystallography and Cryo-Electron Microscopy.
- Genome-wide profiling reveals functional diversification of Δ FosB gene targets in the hippocampus of an Alzheimer's disease mouse model.
- Repeated Measures of Blood and Breath Ammonia in Response to Control, Moderate and High Protein Dose in Healthy Men.
- Treatment for inclusion body myositis
- Patient and Health System Experience With Implementation of an Enterprise-Wide Telehealth Scheduled Video Visit Program: Mixed-Methods Study.
- Electrical Stimulation Modulates High γ Activity and Human Memory Performance.
- Posterior surgical approach procedures for cervical myelopathy
- Natural progress of D-dimer following total joint arthroplasty: a baseline for the diagnosis of the early postoperative infection.
- A Multicenter comparative trial of a novel EUS-guided core biopsy needle (SharkCore
- Clinical Characteristics, Management, and Outcomes of Suspected Poststroke Acute Coronary Syndrome.
- CD38/cADPR Signaling Pathway in Airway Disease: Regulatory Mechanisms
- Tracheal injury detected immediately after median sternotomy by inexperienced surgeons: two case reports.
- Management of Elbow Dislocations in the National Football League.
- Delayed hepatic rupture post ultrasound-guided percutaneous liver biopsy: A case report.
- Efficacy and safety of eslicarbazepine acetate monotherapy in patients converting from carbamazepine.

- TNF α induces Ca²⁺ influx to accelerate extrinsic apoptosis in hepatocellular carcinoma cells
- Out of the Straitjacket
- Pain Perception in Latino vs. Caucasian and Male vs. Female Patients: Is There Really a Difference?
- Acidosis potentiates endothelium-dependent vasorelaxation and gap junction communication in the superior mesenteric artery.
- Proteoglycan neofunctions: regulation of inflammation and autophagy in cancer biology.
- The Potential Roles of Long Noncoding RNAs (lncRNA) in Glioblastoma Development
- The 2016 Academic Emergency Medicine Consensus Conference, "Shared Decision Making in the Emergency Department: Development of a Policy-relevant Patient-centered Research Agenda" Diagnostic Testing Breakout Session Report.
- Design and challenges of a randomized clinical trial of medical expulsive therapy (tamsulosin) for urolithiasis in the emergency department.
- Pathogenic determinants and mechanisms of ALS/FTD linked to hexanucleotide repeat expansions in the C9orf72 gene.
- African American men with low-grade prostate cancer have increased disease recurrence after prostatectomy compared with Caucasian men.
- Suppression of invasion and metastasis of triple-negative breast cancer lines by pharmacological or genetic inhibition of slug activity.
- Role of a plausible nuisance contributor in the declining obesity-mortality risks over time.
- Mechanisms of modulation of brain microvascular endothelial cells function by thrombin.
- CogState computerized memory tests in patients with brain metastases: secondary endpoint results of NRG Oncology RTOG 0933.
- Endothelium in the pharyngeal arches 3, 4 and 6 is derived from the second heart field.
- Applying Multiple Data Collection Tools to Quantify Human Papillomavirus Vaccine Communication on Twitter.
- Effect of Pulse Shaping on Subharmonic Aided Pressure Estimation In Vitro and In Vivo.
- Rehabilitation Therapy in Older Acute Heart Failure Patients (REHAB-HF) trial: Design and rationale.
- New horizons in spine research: Intervertebral disc repair and regeneration.
- Associations of Emergency Department Length of Stay With Publicly Reported Quality-of-care Measures.
- Influence of Sex/Gender and Race on Responses to Raltegravir Combined With Tenofovir-Emtricitabine in Treatment-Naive Human Immunodeficiency Virus-1 Infected Patients: Pooled Analyses of the STARTMRK and QDMRK Studies.
- Surgical site infection and transfusion rates are higher in underweight total knee arthroplasty patients.
- Telemedicine coverage for post-operative ICU patients.

- Efficacy and tolerability of adjunctive brivaracetam in patients with prior antiepileptic drug exposure: A post-hoc study.
- Dosimetric impact of a tumor treating fields device for glioblastoma patients undergoing simultaneous radiation therapy
- A Sub-Type of Familial Pancreatic Cancer: Evidence and Implications of Loss-of-Function Polymorphisms in Indoleamine-2,3-Dioxygenase-2.
- Reducing gastrointestinal anastomotic leak rates: Review of challenges and solutions
- The RNA binding protein SORBS2 suppresses metastatic colonization of ovarian cancer by stabilizing tumor-suppressive immunomodulatory transcripts.
- Chemical modification of extracellular matrix by cold atmospheric plasma-generated reactive species affects chondrogenesis and bone formation.
- Identification of early gene expression changes in primary cultured neurons treated with topoisomerase I poisons.
- Mitochondrial Akt Regulation of Hypoxic Tumor Reprogramming.
- Differential item functioning in the Patient Reported Outcomes Measurement Information System Pediatric Short Forms in a sample of children and adolescents with cerebral palsy.
- Effect of mycophenolate mofetil on the white blood cell count and the frequency of infection in systemic lupus erythematosus.
- Polypharmacy and potentially inappropriate medication use in geriatric oncology.
- Statins and Exercise Training Response in Heart Failure Patients: Insights From HF-ACTION.
- Post-Transplant Outcomes in High-Risk Compared with Non-High-Risk Multiple Myeloma: A CIBMTR Analysis.
- Should Family Presence Be Allowed During Cardiopulmonary Resuscitation?
- Tau phosphorylation at Alzheimer's disease-related Ser356 contributes to tau stabilization when PAR-1/MARK activity is elevated.
- Harnessing the power of cell transplantation to target respiratory dysfunction following spinal cord injury.
- Targeting fibroblast activation protein in tumor stroma with chimeric antigen receptor T cells can inhibit tumor growth and augment host immunity without severe toxicity.
- Duration of Posttraumatic Amnesia Predicts Neuropsychological and Global Outcome in Complicated Mild Traumatic Brain Injury.
- Recurrent violent injury: magnitude, risk factors, and opportunities for intervention from a statewide analysis.
- Right ventricular dysfunction after resuscitation predicts poor outcomes in cardiac arrest patients independent of left ventricular function.
- Extensions of D-optimal Minimal Designs for Symmetric Mixture Models.
- Emerging immunopharmacological targets in multiple sclerosis.

- Fibronectin signals through integrin $\alpha 5\beta 1$ to regulate cardiovascular development in a cell type-specific manner.
- v-Src Oncogene Induces Trop2 Proteolytic Activation via Cyclin D1.
- Right ventricular dysfunction after resuscitation predicts poor outcomes in cardiac arrest patients independent of left ventricular function.
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Conferences:

- An Occupation-based Learning Support Program for At-risk Occupational Therapy Students

Editorials:

- Editorial: Murine models of leukemia and lymphoma

From the Archives:

- 1962 Clinic Yearbook
- 1963 Clinic Yearbook
- 1966 Clinic Yearbook
- 1967 Clinic Yearbook
- 1969 Clinic Yearbook
- 1983 Clinic Yearbook

- 1987 Clinic Yearbook
- 1988 Clinic Yearbook

Grand Rounds :

- Inpatient Management of Urinary Tract and Skin and Soft Tissue Infections
- Diagnosis and Management of Osteoporosis
- Therapy of Abdominal Adhesions
- Burn Management
- Inequalities in Health Care and Outcomes: What can be done to fix the problem?
- Optimizing the Patient for Surgery: 2018 Update
- Introduction to Evolutionary Medicine
- Trauma Informed Care: Just the Basics
- Genealogy of the Department of Surgery: A History Lesson from 1824 to 1882
- Departmental Update: The Best of 2017 & On to 2018
- Individualized Care Plans for Patients with High Utilization of Inpatient Health Care
- MK2 Mediates Radiotherapy Induced Head and Neck Cancer Inflammation
- Shared Decision Making and Genetic Screening in the Prenatal Patient
- Strategies for Engaging Communities to Advance Health Equity
- Common Tongue Conditions in Primary Care
- Comprehensive Primary Care Plus (CPC+) Integrated Behavioral Health
- The Philadelphia Medical Examiner's Office
- Giving and Receiving Feedback: Jefferson Grand Rounds
- Role of Physicians Under Healthcare Payment and Delivery Reforms
- Plant-Based Diets
- Controversies in Prostate Cancer Screening
- Block 2 Morbidity and Mortality
- The Broad Application of Laboratory Directed, Selected Natural Substances, for Promotion of Homeostatic Regulation: A Component of the Integrated Medical Model
- The Tuskegee Syphilis Experiment: The Implications of its Legacy
- Hormonal Contraception and Breast Cancer Risk
- General Surgery Residents Have Never Been Better
- An Update on the Flu
- Kids With Limps
- Journal Club: Low cigarette consumption and risk of coronary heart disease and stroke: meta-analysis of 141 cohort studies in 55 study reports
- Jefferson and GE Partnership to Transform Healthcare Delivery
- The Care of the Deaf Patient
- The Surviving Sepsis Campaign

- Understanding, Serving, & Working with LGBTQ Individuals
- 39 Weeks Induction of Labor
- The Role of Palliative Care and Hospice in Advanced CHF
- Foundations of Racism in Medicine: An Introduction
- Chaos Theory, Or Why Medicine is Like the Weather
- Urinary Incontinence (UI) in Women
- Pharmacologic Management of Anxiety
- An Integrative and Neurophysiological Approach to Traumatic Stress
- How to Leverage Social Media to Disseminate Science, Promote Public Health, and Build Your Professional Network
- Sex, Gender & Sexuality: Third Genders and Gender Fluidity Across the World
- Docs and Glocks: Firearms in America
- Tobacco Smoking Cessation
- Dementia: A Providers' Guide
- Historical Vignette: Gerald J. Marks, M.D., FACS - Founder of the Society of American Gastrointestinal Endoscopic Surgeons (SAGES)
- An Overview of Research Programs at the Jefferson Center of Injury Research and Prevention with Program Showcase in Commercial Driver Fatigue
- Recent Advances in Diagnosis and Treatment of Pheochromocytoma
- Body Dysmorphia in LGBT Individuals
- Domestic Violence
- Sickle Cell and the Role of the Primary Care Physician
- How CMS Judges Your Quality... And Why You Should Care
- How Are Women Faring in Academic Medicine? Have We Achieved Parity?

Journals:

- Gibbon Surgical Review, Volume 1 Issue 1
- JHN Journal, Volume 13, Issue 1 - Winter 2018
- JHN Journal, Volume 13, Issue 2 - Spring 2018

MPH Capstones:

- Barriers and Facilitators to Participation in Clinical Trials Among Elderly African Americans
- Telemedicine in Undergraduate Medical Education
- Association Between Health and Social Capital in Kensington, Philadelphia
- Secondary Data Analysis of BRFFS Data on Smoking Status in Philadelphia
- Trends in Campus-Wide Suicide Prevention Policies: A Survey of the Garrett Lee Smith Memorial Act Campus Grantees

- A Secondary Data Analysis of 2014 BRFSS Survey: Accidental Falls, Marital Status and Demographics
- A Proposed Education Program to Enhance Teens' Understanding of Preconception Health in Philadelphia
- Osteopenia and Falls: Meeting the Need for Early Patient Intervention
- A Mixed Methods Study to Explore the Receptivity of Public Service Announcements About Suicide Prevention at Three Baseball Games in Pennsylvania
- The Effects of State Legislation on Adolescent Marijuana Use
- Disparities in Hepatocellular Carcinoma Stage at Diagnosis and Initial Treatment

Newsletters:

- A Word from the Writing Center (January 2018)
- A Word from the Writing Center (February 2018)
- A Word from the Writing Center (March 2018)
- One Jefferson News February 2018
- Strategic Leadership Newsletter: Volume 3, Number 1
- Strategic Leadership Newsletter: Volume 3, Number 2
- Strategic Leadership Newsletter: Volume 3, Number 3
- Strategic Leadership Newsletter: Volume 3, Number 4

Podcasts

- Engaging Employers in Population Health: The Philadelphia Story
- Connecting Consumers to Resources: Closing the Gap on Social Determinants

Posters:

- Reorganization of Thalamic Intrinsic Connectivity Following Anterior Temporal Lobectomy
- Rare Case of Diffuse Spinal Arachnoiditis Following a Complicated Vertebral Artery Dissection
- Manual Therapy Interventions in a Complex Case of Upper Quarter Symptoms in a Professional Violinist
- Development of a Disaster Preparedness Interprofessional Education (IPE) Program for Health Profession Students
- Employing Pharmacy Students to Improve the Medication Use Process for Underserved Patients with a History of Mental Health or Substance Use Disorders
- The Contribution of Technology to the Development and Sustainability of an Occupational Therapy Community of Learners in Doctoral Education
- Refusing to Let the Dust Settle: Creative Evaluation of a Concept-Based Curriculum

- Urokinase Plasminogen Activator Expression is Regulated by p53 Harboring the Lung Cancer-Specific Mutation V157F
- Midtrimester transvaginal ultrasound cervical length in diamniotic twin pregnancies according to chorionicity
- Twin pregnancies and incidence of spontaneous preterm delivery stratified by chorionicity
- Impact of New “Triple I” Classification on the Incidence of Clinical Chorioamnionitis and Antibiotic Use in Neonates
- Maternal activity level in patients with preterm premature rupture of membranes: A Prospective Observational Cohort Study
- Predictors of preterm birth after physical exam indicated cerclage in singleton pregnancies

Reports:

- Center for Teaching & Learning + Scott Memorial Library: Academic Year 2016/2017
- Scott Memorial Library: Academic Year 2015-2016
- The Center for Teaching & Learning: July 1, 2014 - December 2015

Symposiums:

- Inventor MD and The Road to the Tricorder XPRIZE

What People are Saying About the Jefferson Digital

Commons:

Name: Richard Van Meter

Country: US

Role: Student

Resource URL:

<http://jdc.jefferson.edu/cgi/viewcontent.cgi?article=1119&context=skmcommencement>

Comments: Unexpected death of a beloved classmate, reaching out to others

Name: Paul Markowski

Country: US

Role: family genealogy

Resource URL:

http://jdc.jefferson.edu/cgi/viewcontent.cgi?article=1015&context=jmc_yearbooks

Comments: Thank you for this service. I had no pictures of my great uncle Adam William Thomas Ryan. I learned that he was a graduate of the 1906 class from a 1910 roster of the Dayton Ohio Police Dept. where he was a police surgeon. That write up led me here- very grateful for this.

Name: Peter Lopez

Country: US

Role: faculty

Resource URL: <http://jdc.jefferson.edu/cgi/viewcontent.cgi?article=1078&context=orthofp>

Comments: Thank you for posting your article regarding wrist replacement and fusion complications. It was helpful to educate my patients and change my management

Name: Stephen Putney

Country: US

Role: son

Resource URL: pdf download

Comments: researching my late father's history

Name: J Stansfield

Country: GB

Role: researcher

Resource URL:

http://jdc.jefferson.edu/cgi/viewcontent.cgi?article=1066&context=jmc_catalogs

Comments: As a researcher who is also currently studying for a masters degree in Health History, this source has been valuable in identifying the background of J Aitken Meigs, who presented a clinical report on Bates' cure for stuttering, see:

<https://wellcomelibrary.org/item/b21116416#?c=0&m=0&s=0&cv=2&z=-1.1993%2C-0.0928%2C3.3985%2C1.7173>

Name: kate f.

Country: US

Role: Parent of Bi-polar 20 year old

Resource URL:

<http://jdc.jefferson.edu/cgi/viewcontent.cgi?article=1405&context=jeffjpsychiatry>

Comments: I am extremely grateful to find clear, concise information on a drug I am considering for my son. He clearly has a disdain for many of the side effects of other medications he has tried, and this has been a major problem.

Name: Jane

Country: US

Role: Family member

Resource URL:

http://jdc.jefferson.edu/cgi/viewcontent.cgi?article=1066&context=jmc_catalogs

Comments: I'm looking for graduation information for my great-grandfather, Chester A. Wilkinson. I think he graduated from Jefferson Medical College in 1899 or so. He practiced medicine in Kendall, MI, from 1900 until his death in 1940 (the year I was born). I have his microscope, Gray's Anatomy and other objects from his practice including the 3x5 cards that certified his completing various disciplines during his medical education at Jefferson.