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## Jefferson Digital Commons quarterly report: October-December 2019

Kelsey Duinkerken, MSI

James Copeland, LIBT

Larissa Gordon, MSLIS, MEd, MA

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## Jefferson Digital Commons Quarterly Report: October-December 2019

Another year has come to a close, and what a year it was! The JDC closed the final quarter of 2019 with 1,619 new items added and a record-breaking number of works posted for the year. These high numbers were in large part because of a [major digitization grant](#) the Jefferson Archives received and the addition of [1,800 historical photos](#) this summer. Here is the 2019 breakdown:

- **654,098** downloads
- **4,424** works posted
- **219** countries visited the site
- **18,204** institutions accessed content

### **New Collection Alert: Early Medical Education Records**



Over 14,000 pages from 1,358 unique medical works from the early to mid-1800s were added to the Jefferson Digital Commons (JDC) this quarter, thanks to [a CLIR grant](#) awarded to Jefferson and six collaborating institutions last winter.

The collection of records provides a comprehensive look at the history of medical education in Philadelphia through the end of the Civil War. It offers a glimpse of the voices of medical greats such as Thomas Mütter, Samuel Gross, and George McClellan, as well as the often unheard voices of students. Records include class notes and dissertations, matriculation records, commencement addresses, faculty lecture notes and more. You can browse all CLIR materials [here](#).

## **In this Issue**

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### **Articles:**

- [A prospective, multi-center, randomized comparison of iron isomaltoside 1000 versus iron sucrose in patients with iron deficiency anemia; the FERWON-IDA trial.](#)
- [A prospective study of maternal, fetal and neonatal outcomes in the setting of cesarean section in low- and middle-income countries.](#)
- [Iron isomaltoside is superior to iron sucrose in increasing hemoglobin in gynecological patients with iron deficiency anemia.](#)
- [Associations between feeding practices and growth and neurodevelopmental outcomes](#)
- [Pioneers in Dermatology and Venereology: an interview with Prof. Lawrence C. Parish.](#)
- [The Practice of Dermatology Ain't What It Used To Be: The Preauthorization Catastrophe.](#)
- [Speaking Good \(and Safe\) Dermatologic English](#)
- [Jewish dermatologists in Nazi Germany.](#)
- [Continuation of angiotensin converting enzyme inhibitors on the day of surgery is not associated with increased risk of hypotension upon induction of general anesthesia in elective non-cardiac surgeries.](#)
- [Ethical standards for cardiothoracic surgeons' participation in social media.](#)
- [Antibody responses against the vaccine antigens Ov-103 and Ov-RAL-2 are associated with protective immunity to Onchocerca volvulus infection in both mice and humans.](#)
- [Inactivated Rabies Virus-Based Ebola Vaccine Preserved by Vaporization Is Heat-Stable and Immunogenic Against Ebola and Protects Against Rabies Challenge.](#)
- [High-fat diet fuels prostate cancer progression by rewiring the metabolome and amplifying the MYC program.](#)

- Editorial: Cancer Ecosystems.
- Excision repair cross-complementing group-1 (ERCC1) induction kinetics and polymorphism are markers of inferior outcome in patients with colorectal cancer treated with oxaliplatin.
- Long-Distance Axon Regeneration Promotes Recovery of Diaphragmatic Respiratory Function after Spinal Cord Injury.
- Immunomodulatory and neuroprotective mechanisms of Huangqi glycoprotein treatment in experimental autoimmune encephalomyelitis.
- Astragaloside IV protects neurons from microglia-mediated cell damage through promoting microglia polarization.
- Mechanisms of simvastatin myotoxicity: The role of autophagy flux inhibition.
- Validation of a Miniaturized Permeability Assay Compatible with CRISPR-Mediated Genome-Wide Screen.
- Targeted Epidural Blood Patches Under Fluoroscopic Guidance For Incidental Durotomies Related To Spine Surgeries: A Case Series.
- Effect of Verbal Directions on Grip Strength Evaluated Using the Handheld Dynamometer
- Prevalence of Suspected Hereditary Cancer Syndromes and Germline Mutations Among a Diverse Cohort of Probands Reporting a Family History of Prostate Cancer: Toward Informing Cascade Testing for Men.
- Impact of Tumor Regional Involvement on Active Surveillance Outcomes: Validation of the Cumulative Cancer Location Metric in a US Population.
- Comparison of MRI- and TRUS-Informed Prostate Biopsy for Prostate Cancer Diagnosis in Biopsy-Naive Men: A Systematic Review and Meta-Analysis.
- Twitter and Academic Urology in the United States and Canada: A Comprehensive Assessment of the Twitter-verse in 2019.
- Incorporating mpMRI biopsy data into established pre-RP nomograms: potential impact of an increasingly common clinical scenario
- Conceptualization of a Parasympathetic Endocrine System
- Recovery priorities in degenerative cervical myelopathy: a cross-sectional survey of an international, online community of patients.
- Maternal Characteristics Affect Fetal Growth Response in the Women First Preconception Nutrition Trial.
- Teaching an old pain medicine society new tweets: integrating social media into continuing medical education.
- Prognostic Significance of Tumor-Associated Macrophage Content in Head and Neck Squamous Cell Carcinoma: A Meta-Analysis.
- Nucleus pulposus primary cilia alter their length in response to changes in extracellular osmolarity but do not control TonEBP-mediated osmoregulation.
- Dysregulation of Mitochondrial Ca<sup>2+</sup> Uptake and Sarcolemma Repair Underlie Muscle Weakness and Wasting in Patients and Mice Lacking MICU1
- Meta-Analysis a Myriad of Data - Is It Helpful?
- Variable levels of drift in tunicate cardiopharyngeal gene regulatory elements.

- Trial of canakinumab, an IL-1 $\beta$  receptor antagonist, in patients with inclusion body myositis.
- Mitochondrial calcium exchange links metabolism with the epigenome to control cellular differentiation.
- Clinical, Cytogenetic, and Molecular Findings in Two Cases of Variant t(8;21) Acute Myeloid Leukemia (AML).
- Irisin functions to inhibit malignant growth of human pancreatic cancer cells via downregulation of the PI3K/AKT signaling pathway.
- Association of  $\beta$ -Amyloid Burden With Sleep Dysfunction and Cognitive Impairment in Elderly Individuals With Cognitive Disorders.
- Ossification of the Posterior Longitudinal Ligament: Surgical Approaches and Associated Complications.
- Clinical Outcome Assessments Toolbox for Radiopharmaceuticals.
- Incorporating mpMRI biopsy data into established pre-RP nomograms: potential impact of an increasingly common clinical scenario.
- Chemical Disaster Preparedness for Hospitals and Emergency Departments
- Aneurysm Formation, Growth, and Rupture: The Biology and Physics of Cerebral Aneurysms.
- Control of CCND1 ubiquitylation by the catalytic SAGA subunit USP22 is essential for cell cycle progression through G1 in cancer cells.
- Therapeutic effect of Rho kinase inhibitor FSD-C10 in a mouse model of Alzheimer's disease.
- Prenatal tobacco and marijuana co-use: Impact on newborn neurobehavior.
- False in Name Only-Gastroduodenal Artery Pseudoaneurysm in a Recurrently Bleeding Patient: Case Report and Literature Review.
- Cervical assessment by ultrasound for preventing preterm delivery.
- Case 22-2019: A 65-Year-Old Woman with Myopathy.
- Structural and functional analysis of parameters governing tankyrase-1 interaction with telomeric repeat-binding factor 1 and GDP-mannose 4,6-dehydratase.
- Perturbed mitochondria-ER contacts in live neurons that model the amyloid pathology of Alzheimer's disease.
- Gilteritinib or chemotherapy for relapsed or refractory FLT3-mutated AML
- Heat shock factor 1-mediated transcription activation of Omi/HtrA2 induces myocardial mitochondrial apoptosis in the aging heart.
- Markers of bone and lipid metabolism with eslicarbazepine acetate monotherapy.
- Relating the gut metagenome and metatranscriptome to immunotherapy responses in melanoma patients.
- Induction techniques that reduce redistribution hypothermia: a prospective, randomized, controlled, single blind effectiveness study.
- Hypotrichosis with juvenile macular dystrophy: Combination of whole-genome sequencing and genome-wide homozygosity mapping identifies a large deletion in CDH3 initially undetected by whole-exome sequencing-A lesson from next-generation sequencing.

- Progression-Free but No Overall Survival Benefit for Adult Patients with Bevacizumab Therapy for the Treatment of Newly Diagnosed Glioblastoma: A Systematic Review and Meta-Analysis.
- Characterization of resistance to a potent D-peptide HIV entry inhibitor.
- 3,3'-Diindolylmethane enhances apoptosis in docetaxel-treated breast cancer cells by generation of reactive oxygen species.
- Competence in Endoscopic Ultrasound and Endoscopic Retrograde Cholangiopancreatography, From Training Through Independent Practice.
- Case-Based Asynchronous Interactive Modules in Undergraduate Medical Education.
- Mount Fuji sign following nasal polypectomy: Conservative management of pneumocephalus
- Subdermal Ultrasound Contrast Agent Injection for Sentinel Lymph Node Identification: An Analysis of Safety and Contrast Agent Dose in Healthy Volunteers.
- Developing a Community-Based Research Project Proposal to Build Public Health Educator Capacity: A Graduate Student Perspective.
- An Inpatient Patient Safety Curriculum for Pediatric Residents.
- Spatially fractionated radiation therapy: History, present and the future
- Management of patients with isolated acute cervical carotid artery occlusion and normal neurological exam: Technical note and case series
- A Physiologically-Based Pharmacokinetic Model for Targeting Calcitriol-Conjugated Quantum Dots to Inflammatory Breast Cancer Cells.
- Incorporating B cell activating factor (BAFF) into the membrane of rabies virus (RABV) particles improves the speed and magnitude of vaccine-induced antibody responses.
- Genome-wide identification of short 2',3'-cyclic phosphate-containing RNAs and their regulation in aging.
- Worldwide inequality in access to full text scientific articles: the example of ophthalmology.
- Pediatric Moyamoya Presenting as a Subarachnoid Hemorrhage from a Ruptured Anterior Cerebral Artery Aneurysm
- Role of Probiotics in Non-alcoholic Fatty Liver Disease: Does Gut Microbiota Matter?
- Transdermal Lidocaine for Perioperative Pain: a Systematic Review of the Literature.
- Decreasing Time to Initiation of Chemotherapy for Patients Electively Admitted to a Hematologic Malignancy Service.
- A Case of CCDC6-RET Fusion Mutation in Adult Acute Lymphoblastic Leukemia (ALL), a Known Activating Mutation Reported in ALL
- Updating the dermatologic nomenclature: names that are good or bad.
- J. Graham Smith Jr, MD (November 22, 1926-May 18, 2010).
- Barnacles, old age marks, or just plain seborrheic keratoses.
- Implementation of Smart Pump Technology With Home Infusion Providers: An Assessment of Clinician Workflow and Patient Satisfaction.
- MICU1 Interacts with the D-Ring of the MCU Pore to Control Its Ca<sup>2+</sup> Flux and Sensitivity to Ru360
- The Dermatologist and Color

- Joseph Albin Witkowski, MD (1925–2015), A Dermatologist for All Seasons
- Phase IIb, Randomized, Double-Blind Trial of GC4419 Versus Placebo to Reduce Severe Oral Mucositis Due to Concurrent Radiotherapy and Cisplatin For Head and Neck Cancer.
- Phase III Randomized Trial of Chemotherapy With or Without Bevacizumab in Patients With Recurrent or Metastatic Head and Neck Cancer.
- Outpatient facility-based order variation in combined imaging.
- Identifying Emergency Department Symptom-Based Diagnoses with the Unified Medical Language System.
- Langerhans Cells Orchestrate the Protective Antiviral Innate Immune Response in the Lymph Node.
- A Drive to Driven Model of Mapping Intraspecific Interaction Networks.
- Melanocytoma of the optic disk: A review.
- From Lepidoptera to uveal melanoma: Finding my career in ocular oncology.
- Tumors of the conjunctiva and cornea.
- Volume Changes After Traumatic Spinal Cord Injury in Animal Studies - A Systematic Review
- Prognostication of uveal melanoma is simple and highly predictive using The Cancer Genome Atlas (TCGA) classification: A review.
- Reconstructive trends and complications following parotidectomy: incidence and predictors in 11,057 cases.
- Conjunctival melanoma with orbital invasion and liver metastasis managed with systemic immune checkpoint inhibitor therapy.
- Measurement of antibacterial properties of foil-backed electrospun nanofibers
- New Insights into the Lactate Shuttle: Role of MCT4 in the Modulation of the Exercise Capacity.
- Care Coordination: Roles of Registered Nurses Across the Care Continuum
- Emergent airway management outside of the operating room - a retrospective review of patient characteristics, complications and ICU stay.
- Management of retinoblastoma in older children (>5 years) using intra-arterial chemotherapy: Comparison of outcomes to prechemotherapy and intravenous chemotherapy eras.
- Intraocular amyloidosis with multifocal iris and anterior chamber translucent spherules.
- Trifocal choroidal melanoma in an eye with oculodermal melanocytosis: A case report.
- Hyperthermia and immunotherapy: clinical opportunities.
- Fracture repair requires TrkA signaling by skeletal sensory nerves.
- Allele-specific RNA interference prevents neuropathy in Charcot-Marie-Tooth disease type 2D mouse models.

## **Dean's Research Development (Brown Bag) Lunch**

### **Conference:**

- Predatory Publishing: The difficulties of choosing the right journal for your research & career
- Program of Research in Sensory Features in Autism Spectrum Disorder
- Improving the Delivery of Care to Women in Treatment for Opioid Use Disorder
- Disasters, Disability and Climate: The Challenge We Must Conquer
- Comparison of Classical Test Theory with One and Two Parameter Item Response Theory Models
- Development and Evaluation of Virtual Training Programs to Teach Inter-professional Students Strategies for Working with Vulnerable Populations
- Survey of Cannabis Use in Spinal Cord Injury
- Assessing White Matter Integrity in Spinal Cord Injury using Myelin Water Imaging and Advanced Multishell Diffusion MRI

### **Dissertations:**

- Mechanisms and Impact of DNA Repair Dysfunction in Prostate Cancer
- The Role of Kv3.4 Channels in the Neurotransmission of Pain
- New Insights into the Lactate Shuttle: Lesson Learned from the MCT4 Knock Out Mouse
- Effectiveness of Clery Act Timely Warnings and Emergency Notifications
- Calcium Regulation of the Mitochondrial Permeability Transition Pore during Ischemia Reperfusion Injury of the Heart
- Novel Strategies for Combating Acquired Resistance to Combined BRAF and MEK Inhibition in Mutant BRAF Melanomas
- Murine Cytomegalovirus Promotes Anti-tumor Immunity in a Melanoma Model by Recruiting Macrophages and Inducing Inflammation through STING Signaling

### **Educational Materials:**

- Feedback: Helping Learners Grow
- Teaching Primer for Future Interns
- APA Formatting & Style Demystified

### **From the Archives:**

- Jefferson Medical College Commencement Programs, 1836-1864
- Jefferson Medical College Opening Addresses, 1832-1865
- Jefferson Medical College Register & Record Book, 1824-1830
- Jefferson Medical College Matriculation Records, 1828-1838
- Jefferson Medical College Matriculation Records, 1849-1859
- Jefferson Medical College Matriculation Records, 1860-1879
- Jefferson Medical College Theses



- Lecture and Matriculation Tickets
- Medical Student and Faculty Lectures Notes
- Notes on Arguments for a Charter for the Jefferson Medical College

### **Grand Rounds and Lectures:**

- Contemporary Midwifery: Education, Research, and Practice
- Valvular Heart Disease
- Up in the Air
- A Primary Care Approach to Gun Violence
- A Swan Song: Advances in Hemodynamic Monitoring
- Appendicitis in 2019
- Current Trends in Minimally Invasive Surgery, and the Impact Upon Surgical Training
- How low can we go? In search of the transfusion threshold in neonates undergoing surgery
- Management of Diverticulitis in 2019
- From DNA through FDA and EMA: Development of the first approved gene therapy for an inherited blinding disease
- BMI Matters! Where we are, where we've been, what will our Legacy be?
- Ketamine Use in Palliative Care
- Pre-participation cardiac assessment: Physiologic vs Pathologic ECG changes in athletes
- Balint Groups: How to Incorporate "Dealing with Difficult Patients" into a Residency Curriculum
- Mind, Body and Cancer Care: The Data and the Questions
- Cultural Considerations in Palliative and End of Life Care
- The Hip
- Hypertensive Disorders of Pregnancy
- Using Jefferson's New Community Health Needs Assessment & Improvement Plan to Build Health Equity: A Crossroads Ripe for Scholarly Inquiry and Innovation
- Design for Everybody: Creative Ideas for Wellness and Inclusion
- Management of Adnexal Masses
- Scribes in Primary Care
- Gynecology in the Courts
- Practical Diabetes Management
- SGLT2 inhibitors and Cardiovascular Outcomes: Journal Club
- Polypharmacy and Deprescribing in the Older Adult
- Prophylactic Bilateral Salpingectomy: Are you better off without your Fallopian tubes?
- Psychosocial Care Surrounding Gender Affirming Surgery
- The Exciting World of ARV Drug-Drug Interactions
- Evidence-Based Nutritional Approaches to Preventing Cardiovascular Disease
- Interprofessional Pain Care
- Keystone First Diabetes Initiative: January 2019-June 2019

- The Convergence of Law, Religion, and Medicine: Public Policy Implications
- Substance Use Disorder: Geriatric Edition
- The NIH Grant Machine
- Men's Health: Diet and Nutrition Considerations for Midlife and Beyond
- Optimizing Rehabilitation for People with Acquired Cognitive Impairments
- Ethics, Science, and Medical Apartheid - Six Lessons from History
- Magnetic Sphincter Augmentation for Chronic GERD

### **Journals and Newsletters:**

- Leadership Doctorates Newsletter: Volume 5, Number 3
- Evanescent - Issue 1
- JHN Journal: Volume 14, Issue 1 - Summer 2019
- Inside Out, Spring 2019
- The Bulletin: Sidney Kimmel Medical College at Thomas Jefferson University, Volume 68, Issue 2, Fall 2019
- Leadership Doctorates Newsletter: Volume 5, Number 4
- Surgical Solutions: Volume 14, Number 2 - Fall 2019

### **Population Health Presentation Materials:**

- JCPH Presentations at the American Public Health Association Annual Conference 2019
- Photo Elicitation Study 2018-2019
- Signs of Humanity – a researcher-artist collaboration

### **Posters:**

- Generational Differences in Nursing Influencing Job Satisfaction
- Does having a nurse navigator vs. not having a nurse navigator decrease the cost of healthcare in patients with a sepsis diagnosis?
- Occupational Therapy's Role in Oncology: Returning to Work During and After Treatment
- Inclusive Community: Exploring The Benefits of Sensory Friendly Environments
- Going Beyond Accessibility by Advocating for Inclusive Playgrounds
- Impact of Spinal Cord Injuries on Occupational Performance and Successful Role Acquisition during Motherhood
- Fighting a Battle Against the Opioid Epidemic with Occupational Therapy
- Parenting with Down Syndrome: The Role Occupational Therapy Plays
- Using the System of Care Approach to Distinguish School Refusal from School Truancy
- Understanding Participation in a Community-Based Art Program
- Client Centered Simulation: Practicing Interprofessional Teamwork with Standardized Patients
- Online Learning & Medical Education ... YOU CAN DO IT!

- Creating a Virtual Community to Provide Centralized Access to Research Resources and Services
- POEM Perceptions: A Survey of Gastroenterologists and the Treatment of Achalasia in the Philadelphia Region
- Effect of Nutritional Intervention on Patients with Gastroparesis
- The Scott Memorial Library Quasiquicentennial: Celebrating 125 Years of the Jefferson Library (1894-2019)
- 50th Anniversary: Leading the Way in Rehabilitation Medicine (1969-2019)
- Post-Stroke Recrudescence in the Setting of Tramadol Overuse: A Case Report
- Alexander Koppel: Pioneer - Physician - Provider
- Physician Executive Leadership (PEL): Expanding Medical School Leadership and Management Education
- Jefferson Center for Interprofessional Practice and Education (JCIPE): Enhancing Services to Underserved Populations through Innovative Virtual World Training and Collaborative Partnerships
- Does Perioperative Use of Renin-Angiotensin System Inhibitors Improve Patient Outcomes in Cardiac Surgery?
- Mindfulness Based Stress Reduction Increases Pathology Resident Self Wellness
- Wellness Initiative Program and Effect on Pathology Resident Burnout Rate
- Occupational Therapy Students' Perception of Types of Class Preparation Activities
- Thriving After Pediatric SCI: Two Life Stories
- Health Coaching in Context: A Descriptive Case Study
- Community-based Level II Fieldwork Program at an Adult Day Program for Clients with Memory Loss: Site, Academic Program, & FW Educator's Perceptions
- OTA Students' Perceptions of an Inter & Intraprofessional Level I Experience in Morocco
- Prevalence and Characterization of Adverse Childhood Experiences of Women in Substance Use Treatment
- Non-Traditional Anti-Emetic Therapy for Cannabinoid Hyperemesis Syndrome: A Case Report
- Severe Hypophosphatemia in a Patient with a Relapsing Lymphoma
- Maternal Addiction Treatment Education Research Program
- Resident Experience Discussion (RED): Resident-led Discussion Groups to Promote Resilience
- Connecting Health Plan Care Managers with a Network of Enhanced Services Community Pharmacies: A Pennsylvania Case Study
- Exploring the Prevalence and Characteristics Associated with Weight Gain and Metabolic Changes in PLWH who are Virologically Suppressed on Antiretroviral Therapy and Switch to Integrase Inhibitor Containing Regimens
- Patients living with HIV infection are less likely to receive the correct statin intensity for cardiovascular disease risk reduction
- A Real World Assessment of the Efficacy and Safety of Switching from TDF to TAF in Treatment Experienced Patients with HIV Infection

- Relationships among Patient Diabetes Self-Care Behaviors, Depression and Self-Reported Medication Adherence in African Americans with Diabetes
- Nursing Care Variation Reduction for the Short Procedure Unit

### **Reports:**

- Annual Report: Fall 2014-Summer 2015 -- The Design, Implementation, & Assessment of Nexus Learning Hubs
- 2010-2011 Best Practice Sampler: The Theory and Practice of Teaching at Philadelphia University

### **Symposiums:**

- 14th Annual Pancreatic Cancer and Related Diseases Patient Symposium

### **What People are Saying About the Jefferson Digital Commons:**

Name: Kimberly S.

Country: US

Role: LCSW

Resource URL: <https://jdc.jefferson.edu/jeffjpsychiatry/vol3/iss1/12/>

Comments: Thank you. I have a new client, 23years old, separated at age 7 from identical twin brother by TN foster care system. Client is experiencing symptoms of dissociative disorder, depression and social anxiety. Trying to find answers.

Name: Damon C.

Country: US

Role: Family of Former Student

Resource URL: <https://jdc.jefferson.edu/skmccommencement/35/>

Comments: My grandfather graduated from Jefferson in 1932 with his medical degree. He is featured in the document you scanned and posted. He won the prize for the best surgery graduate in 1932. It is a remarkable piece of family history, and I am so lucky you scanned it in and made it available free of charge. What a wonderful service, and credit to local history

Name: Paula W.

Country: US

Role: student

Resource URL: <https://jdc.jefferson.edu/otfp/13/>

Comments: I was unable to access this article directly through my university's databases and wanted to reference this in a dissertation. Thank you!!