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## Jefferson Digital Commons quarterly report: October-December 2020

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# Jefferson Digital Commons Quarterly Report: October-December 2020

Happy New Year! While 2020 was a year filled with challenges, we are happy to share how much Jefferson content we were still able to bring you while working from home. This last quarter saw **355** new works posted and **261,684** downloads bringing our 2020 totals to:

- **909,884** downloads
- **14,296** streams
- **1,470** works posted
- **219** countries to visit the site
- **16,681** institutions to access content

Throughout the year our collection of COVID-19 research and work has also grown. There are currently **128 articles, presentations, and posters**. You can explore them all at <https://jdc.jefferson.edu/covid-19/>.

## **In this Issue**

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## Articles:

- Global Kidney Exchange Should Expand Wisely.
- Nipple Sparing Mastectomy: A Review of Outcomes at a Single Institution
- Blood-brain barrier: mechanisms governing permeability and interaction with peripherally acting  $\mu$ -opioid receptor antagonists.
- Physicochemical Characteristics of Hot and Cold Brew Coffee Chemistry: The Effects of Roast Level and Brewing Temperature on Compound Extraction.
- Don't Sweat the Blown Pupil: Anisocoria in Patients Using Qbrexza.
- Peripubertal serum concentrations of organochlorine pesticides and semen parameters in Russian young men.
- Conditions for combining gene therapy with bone marrow transplantation in murine Krabbe disease.
- Medicine and surgery residents' perspectives on the impact of COVID-19 on graduate medical education.
- How I Treat Acute and Persistent Sickle Cell Pain.
- Soluble glycoprotein VI is a predictor of major bleeding in patients with suspected heparin-induced thrombocytopenia
- A systematic review of home-based dietary interventions during radiation therapy for cancer.
- An epistatic interaction between pre-natal smoke exposure and socioeconomic status has a significant impact on bronchodilator drug response in African American youth with asthma.
- A multi-institutional analysis of sternoclavicular joint coverage following osteomyelitis
- Mg<sup>2+</sup>-Dependent Methyl Transfer by a Knotted Protein: A Molecular Dynamics Simulation and Quantum Mechanics Study
- Educational Case: A Case of Transfusion-Transmitted Babesiosis: Diagnostic Perspectives Across the Clinical Laboratory.
- Risk Factors of Recurrent Falls Among Older Adults Admitted to the Trauma Surgery Department.
- Differential rates of intravascular uptake and pain perception during lumbosacral epidural injection among adults using a 22-gauge needle versus 25-gauge needle: a randomized clinical trial
- Hepatic Stellate Cells and Hepatocarcinogenesis
- When Limb Surgery Has Become the Only Life-Saving Therapy in FOP: A Case Report and Systematic Review of the Literature
- Leadership, Contexts, and Learning - Part 2. Theories of Learning, Channels, and Curricula
- The Role of Machine Learning in Spine Surgery: The Future Is Now
- Hepatic lipocalin 2 promotes liver fibrosis and portal hypertension
- Bioactivating a bone substitute accelerates graft incorporation in a murine model of vertical ridge augmentation
- The membrane-associated form of cyclin D1 enhances cellular invasion
- Endogenous Cyclin D1 Promotes the Rate of Onset and Magnitude of Mitogenic Signaling via Akt1 Ser473 Phosphorylation.
- Combination of a Gellan Gum-Based Hydrogel With Cell Therapy for the Treatment of Cervical Spinal Cord Injury

- Orthopedic Principles to Facilitate Enhanced Recovery After Cardiac Surgery
- Cells from discarded dressings differentiate chronic from acute wounds in patients with Epidermolysis Bullosa
- Translocase of the outer mitochondrial membrane complex subunit 20 (TOMM20) facilitates cancer aggressiveness and therapeutic resistance in chondrosarcoma.
- The effects of direct brain stimulation in humans depend on frequency, amplitude, and white-matter proximity
- Chimeric Ad5.F35 vector evades anti-adenovirus serotype 5 neutralization opposing GUCY2C-targeted antitumor immunity
- Progress in the therapy of myasthenia gravis: getting closer to effective targeted immunotherapies
- Facial grimace testing as an assay of neuropathic pain-related behavior in a mouse model of cervical spinal cord injury.
- On the expanding roles of tRNA fragments in modulating cell behavior
- The effect of neighborhood social environment on prostate cancer development in black and white men at high risk for prostate cancer
- Does preoperative dipyridamole-thallium scanning reduce 90-day cardiac complications and 1-year mortality in patients with femoral neck fractures undergoing hemiarthroplasty?
- Malignant phyllodes tumor with extensive lipomatous differentiation.
- Case Report: Concomitant Diagnosis of Plasma Cell Leukemia in Patient With JAK2 Positive Myeloproliferative Neoplasm.
- Treatment patterns of patients diagnosed with major headache disorders: A retrospective claims analysis
- Artificial Intelligence-Powered Search Tools and Resources in the Fight Against COVID-19.
- Incidence and preoperative predictors for major complications following radical nephroureterectomy.
- Vascular micro-thrombotic disease in pregnancy.
- Virtual Connectivity During Quarantine: The Role of Social Media for Radiation Oncology During COVID-19
- Management of Patients With Hematologic Malignancies During the COVID-19 Pandemic: Practical Considerations and Lessons to Be Learned
- Characterization of initial North American pediatric surgical response to the COVID-19 pandemic
- Phosphorylation of cyclophilin D at serine 191 regulates mitochondrial permeability transition pore opening and cell death after ischemia-reperfusion
- Can contrast enhanced ultrasound differentiate intrahepatic cholangiocarcinoma from hepatocellular carcinoma?
- NSAIDs for analgesia in the era of COVID-19
- Crisis (Pandemic) management playbook for assisted living
- Contemporary Interventional Radiology employment: analysis of the American College of Radiology and the Society of Interventional Radiology Occupational Portals
- Access-Site Complications in Transfemoral Neuroendovascular Procedures: A Systematic Review of Incidence Rates and Management Strategies
- Do not forget our pregnant women during the COVID-19 pandemic

- Fatal case of newborn Lassa fever virus infection mimicking late onset neonatal sepsis: a case report from northern Nigeria
- Genomic characterization of malignant progression in neoplastic pancreatic cysts
- Anticoagulation and bleeding risk in patients with COVID-19
- Splicing of the cake can affect the severity of epidermolysis bullosa
- 1-Chromonyl-5-Imidazolylpentadienone Demonstrates Anti-Cancer Action against TNBC and Exhibits Synergism with Paclitaxel
- The Generation of an Engineered Interleukin-10 Protein With Improved Stability and Biological Function
- Can Public Construction and Demolition Data Describe Trends in Building Material Recycling? Observations From Philadelphia
- Comparison of outcomes of HCT in blast phase of BCR-ABL1- MPN with de novo AML and with AML following MDS
- A Label-Free Assay for Aminoacylation of tRNA
- Credible practice of modeling and simulation in healthcare: ten rules from a multidisciplinary perspective
- Implementing nudges for suicide prevention in real-world environments: project INSPIRE study protocol
- Matrine Inhibits CNS Autoimmunity Through an IFN- $\beta$ -Dependent Mechanism
- Employment and patient satisfaction after liver transplantation
- Efficacy and safety of bempedoic acid for prevention of cardiovascular events and diabetes: a systematic review and meta-analysis.
- Caring for AML Patients During the COVID-19 Crisis: An American and Italian Experience.
- IER5, a dna damage response gene, is required for notch-mediated induction of squamous cell differentiation
- Variation in early number skills and mathematics achievement: Implications from cognitive profiles of children with or without Turner syndrome
- Contrasting cumulative risk and multiple individual risk models of the relationship between Adverse Childhood Experiences (ACEs) and adult health outcomes
- Use of advanced statistical techniques to predict all-cause mortality in the Systolic Blood Pressure Intervention Trial
- Drug-Resistant Epilepsy in Children with Juvenile Huntington's Disease: A Challenging Case and Brief Review
- Case Report: Tocilizumab for the Treatment of SARS-CoV-2 Infection in a Patient With Aplastic Anemia
- Heat Shock Protein 90 (Hsp90)-Inhibitor-Luminespib-Loaded-Protein-Based Nanoformulation for Cancer Therapy
- Hepatocellular Carcinoma-The Influence of Immunoanatomy and the Role of Immunotherapy
- Redefining Cardiac Biomarkers in Predicting Mortality of Inpatients With COVID-19
- LC-MS based stability-indicating method for studying the degradation of lonidamine under physical and chemical stress conditions
- Ureteroscopic biopsy of upper tract urothelial carcinoma and role of urinary biomarkers
- Caseous mitral valve calcification and concurrent hypertrophic obstructive cardiomyopathy: A rare cause of stroke

- Dysregulation of RyR Calcium Channel Causes the Onset of Mitochondrial Retrograde Signaling
- Pregnant Smokers Receiving Opioid Agonist Therapy Have an Elevated Nicotine Metabolite Ratio: A Replication Study.
- Dermatology Journals and the Impact Factor
- Changing Population of Liver Transplant Recipients in the Era of Direct-acting Antiviral Therapy
- Percutaneous Intervention or Bypass Graft for Left Main Coronary Artery Disease? A Systematic Review and Meta-Analysis
- COVID-19 and possible links with Parkinson's disease and parkinsonism: from bench to bedside
- Description and Reliability of the AOSpine Sacral Classification System
- Complete chemical structures of human mitochondrial tRNAs
- Applying the WHO ICF Framework to the Outcome Measures Used in the Evaluation of Long-Term Clinical Outcomes in Coronavirus Outbreaks
- Assessment of Surgical Procedural Time, Pedicle Screw Accuracy, and Clinician Radiation Exposure of a Novel Robotic Navigation System Compared With Conventional Open and Percutaneous Freehand Techniques: A Cadaveric Investigation
- Dosimetric differences between cesium-131 and iodine-125 brachytherapy for the treatment of resected brain metastases
- Computational Identification of Gene Networks as a Biomarker of Neuroblastoma Risk
- Letter: Thrombotic Neurovascular Disease in COVID-19 Patients.
- Congenital muscular dystrophy-associated inflammatory chemokines provide axes for effective recruitment of therapeutic adult stem cell into muscles
- Absence-to-bilateral-tonic-clonic seizure: A generalized seizure type.
- Reflections on a Post-COVID World: Lessons from the Surge.
- Changes in Health Care Following COVID-19.
- We Know Health Is Not Elective: Impacts of COVID-19.
- Gene selection for optimal prediction of cell position in tissues from single-cell transcriptomics data.
- Quantification of lactoyl-CoA (lactyl-CoA) by liquid chromatography mass spectrometry in mammalian cells and tissues.
- Regulation of MicroRNA-497-Targeting AKT2 Influences Tumor Growth and Chemoresistance to Cisplatin in Lung Cancer.
- Knowledge and practice regarding prostate cancer germline testing among urologists: Gaps to address for optimal implementation
- Rabies virus-based COVID-19 vaccine CORAVAX™ induces high levels of neutralizing antibodies against SARS-CoV-2.
- Just how many holes...?
- Health Assessment Questionnaire-Disability Index (HAQ-DI) use in modelling disease progression in diffuse cutaneous systemic sclerosis: an analysis from the EUSTAR database.
- Challenges and opportunities for improving the landscape for Lewy body dementia clinical trials.
- Interleukin 35 Delays Hindlimb Ischemia-Induced Angiogenesis Through Regulating ROS-Extracellular Matrix but Spares Later Regenerative Angiogenesis.

- Variants of the human RAD52 gene confer defects in ionizing radiation resistance and homologous recombination repair in budding yeast
- Breast carcinoma metastasis in a resected meningioma with early diagnosis of oligometastatic disease: a case report.
- Simvastatin Induces Unfolded Protein Response and Enhances Temozolomide-Induced Cell Death in Glioblastoma Cells.
- STXBP2-R190C Variant in a Patient With Neonatal Hemophagocytic Lymphohistiocytosis (HLH) and G6PD Deficiency Reveals a Critical Role of STXBP2 Domain 2 on Granule Exocytosis
- Patterns of Regional Cerebral Blood Flow as a Function of Obesity in Adults.
- Factors Affecting the Decision to Initiate Anticoagulation After Spine Surgery: Findings From the AOSpine Anticoagulation Global Initiative
- Interferon- $\gamma$ /Interleukin-27 Axis Induces Programmed Death Ligand 1 Expression in Monocyte-Derived Dendritic Cells and Restores Immune Tolerance in Central Nervous System Autoimmunity.
- Thalamus and focal to bilateral seizures: A multiscale cognitive imaging study.
- Minimizing Blood Loss in Spine Surgery.
- Perioperative Anticoagulation Management in Spine Surgery: Initial Findings From the AO Spine Anticoagulation Global Survey.
- Telemedicine for the Spine Surgeon in the Age of COVID-19: Multicenter Experiences of Feasibility and Implementation Strategies.
- Regional and experiential differences in surgeon preference for the treatment of cervical facet injuries: a case study survey with the AO Spine Cervical Classification Validation Group
- Hidden blood loss between PCCP and PFNA in elderly femoral intertrochanteric fracture
- The technique of S2-alar-iliac screw fixation: a literature review
- Cervical posterior longitudinal ligament ossification : Microscopy-assisted anterior corpectomy and fusion.
- The Implications of Paraspinal Muscle Atrophy in Low Back Pain, Thoracolumbar Pathology, and Clinical Outcomes After Spine Surgery: A Review of the Literature.
- Quality Improvement and Spine Surgery.
- Regional variability in use of a novel assessment of thoracolumbar spine fractures: United States versus international surgeons.
- Spinal Infections: From Prevention to Cure
- How accurate is the neurosurgery literature? A review of references.
- Pain in the Prehospital Setting in Rwanda: Results of a Mixed-Methods Quality Improvement Project.
- Contribution of left supramarginal and angular gyri to episodic memory encoding: An intracranial EEG study.
- CBF-1 Promotes the Establishment and Maintenance of HIV Latency by Recruiting Polycomb Repressive Complexes, PRC1 and PRC2, at HIV LTR.
- The De Garegeot hernia: A case report of an unusual presentation of appendicitis.
- Preliminary Tests of Local Hyperthermia Based on Inductively Heated Tumor Bed Implant
- Analysis of clinical data to determine the minimum number of sensors required for adequate skin temperature monitoring of superficial hyperthermia treatments.

- Quality assurance guidelines for interstitial hyperthermia.
- Feasibility of removable balloon implant for simultaneous magnetic nanoparticle heating and HDR brachytherapy of brain tumor resection cavities.
- Clinical Presentation of Coronavirus Disease 2019 (COVID-19) in Pregnant and Recently Pregnant People.
- Hemoglobin concentrations and adverse birth outcomes in South Asian pregnant women: findings from a prospective Maternal and Neonatal Health Registry
- Return to Play After Isolated Meniscal Repairs in Athletes: A Systematic Review.
- LAR inhibitory peptide promotes recovery of diaphragm function and multiple forms of respiratory neural circuit plasticity after cervical spinal cord injury.
- Modulation of sleep-courtship balance by nutritional status in *Drosophila*
- Impact of Coronavirus Disease 2019 Pandemic on the Incidence and Management of Out-of-Hospital Cardiac Arrest in Patients Presenting With Acute Myocardial Infarction in England.
- The sensitivity of qSOFA calculated at triage and during emergency department treatment to rapidly identify sepsis patients.
- Neonatal deaths in rural Karnataka, India 2014-2018: a prospective population-based observational study in a low-resource setting.
- Maternal mortality following thromboembolism; incidences and prophylaxis strategies.
- Photopsia and visual loss in a patient with lung cancer.
- Perspectives and Experiences of Transgender and Non-binary Individuals on Seeking Urological Care.
- Physiological Factors of Female Runners With and Without Stress Fracture Histories: A Pilot Study.
- Perceptions of risk for stress fractures: A qualitative study of female runners with and without stress fracture histories.
- A Rare Case of Coronary Artery Thrombosis in a Patient With Recently Diagnosed Giant Cell Arteritis: Is Anticardiolipin Antibody Involved?
- A Mysterious Paratracheal Mass: Pulmonary Agenesis.
- A Silent Fatal Presentation of Pulmonary Embolism: Reflection and Discussion.
- An Exceedingly Rare Presentation of Severe Folate Deficiency-Induced Non-Immune Hemolytic Anemia.
- A Mysterious Paratracheal Mass: Parathyroid Carcinoma.
- Hamman-Rich Syndrome: A Diagnosis of Exclusion in the COVID-19 Pandemic.
- The Awareness of Negative Pressure Pulmonary Edema in the Medical Intensive Care Unit.
- The Difficult Clinical Decision of Thrombolytic Therapy for Submassive Pulmonary Embolism in a Community Hospital.
- Immune-mediated Colitis from Dual Checkpoint Inhibitors.
- A Rare Presentation of Coronavirus Disease 2019 (COVID-19) Induced Viral Myositis With Subsequent Rhabdomyolysis.
- Insights from five decades of biodevelopment and long-term research at Area de Conservación Guanacaste, Costa Rica
- A Community Assessment of Rapid Response Team Events Preceding Cardiopulmonary Arrest: Does it Improve Outcomes?



- An Unlikely Combination of Neutrophilic Predominant Pleural Effusion with Acid-Fast Bacilli Positivity
- Rare Cause of Fatal Liver Disease: A Case of Acute Liver Failure in a Patient with Recently Diagnosed Metastatic Ovarian Carcinoma
- "Brain Dead" Donor: A Case of Brain Death Mimic Due to Pentobarbital Overdose
- Survival Analysis Based on the Duration of CPR After In-Hospital Cardiac Arrest
- A Roller Coaster Ride of Idiopathic Fibrosing Mediastinitis
- The relationship between birth intervals and adverse maternal and neonatal outcomes in six low and lower-middle income countries.
- Human t-cell leukemia virus type 1 and strongyloides stercoralis: Partners in pathogenesis
- Diagnostic journey and impact of enzyme replacement therapy for mucopolysaccharidosis IVA: a sibling control study.
- Immune phenotype of patients with stage IV metastatic inflammatory breast cancer.
- Molecular Landscape and Actionable Alterations in a Genomically Guided Cancer Clinical Trial: National Cancer Institute Molecular Analysis for Therapy Choice (NCI-MATCH).
- Looking beyond the numbers: quality assurance procedures in the Global Network for Women's and Children's Health Research Maternal Newborn Health Registry.
- Preparation Methods and Clinical Outcomes of Platelet-Rich Plasma for Intra-articular Hip Disorders: A Systematic Review and Meta-analysis of Randomized Clinical Trials.
- Management of Acute Ischemic Stroke.
- Healthcare Regulation and Governance: Big Data Analytics and Healthcare Data Protection
- Characterization of indeterminate breast lesions on B-mode ultrasound using automated machine learning models
- Solving Community SARS-CoV-2 Testing With Telehealth: Development and Implementation for Screening, Evaluation and Testing.
- Computational Modeling Analysis of Generation of Reactive Oxygen Species by Mitochondrial Assembled and Disintegrated Complex II.
- Population Health and the Pandemic: Emerging Stronger Next Time.
- New Normal for Medical Practice Post COVID-19?
- Incorporation of a Machine Learning Algorithm With Object Detection Within the Thyroid Imaging Reporting and Data System Improves the Diagnosis of Genetic Risk.
- Physician Awareness and Adherence to Clinical Practice Guidelines in the Diagnosis of Vaginitis Patients: A Retrospective Chart Review.
- Measurable Residual Disease-Guided Treatment to Prevent Relapse in Acute Myeloid Leukemia and Myelodysplastic Syndrome.
- Association of Laminar Airflow During Primary Total Joint Arthroplasty With Periprosthetic Joint Infection.
- Design and Printing of a Low-Cost 3D-Printed Nasal Osteotomy Training Model: Development and Feasibility Study.
- The odorant receptor OR2W3 on airway smooth muscle evokes bronchodilation via a cooperative chemosensory tradeoff between TMEM16A and CFTR.
- Dimensions of Misinformation About the HPV Vaccine on Instagram: Content and Network Analysis of Social Media Characteristics.

- A phase II study of the insulin-like growth factor type I receptor inhibitor IMC-A12 in patients with metastatic uveal melanoma.
- The Global Network Maternal Newborn Health Registry: a multi-country, community-based registry of pregnancy outcomes.
- Inpatient hospital performance is associated with post-discharge sepsis mortality.
- Dynamic prostatic and laser-ablated lesion volume change after transperineal laser ablation in canine: preliminary observation and its clinical significance.
- Response to the letter to the editor by Hafer and Johnson concerning 'Mechanism of action of HTX-011: a novel, extended-release, dual-acting local anesthetic formulation for postoperative pain'.
- US Integrated Delivery Networks Perspective on Economic Burden of Patients with Treatment-Resistant Depression: A Retrospective Matched-Cohort Study.
- Photodynamic Therapy in Ocular Oncology.
- Eptinezumab for the prevention of chronic migraine: efficacy and safety through 24 weeks of treatment in the phase 3 PROMISE-2 (Prevention of migraine via intravenous ALD403 safety and efficacy-2) study.
- The impact of fremanezumab on medication overuse in patients with chronic migraine: subgroup analysis of the HALO CM study.
- The Impact of Prostate Cancer Treatment on Quality of Life: A Narrative Review with a Focus on Randomized Data.
- Innovation and New Technologies in Spine Surgery, Circa 2020: A Fifty-Year Review.
- Biophysical analysis of Pseudomonas-phage PaP3 small terminase suggests a mechanism for sequence-specific DNA-binding by lateral interdigitation.
- Sleep Induction by Mechanosensory Stimulation in Drosophila.
- Conduct of Clinical Trials in the Era of COVID-19: JACC Scientific Expert Panel.
- Release and extraction of retained subfoveal perfluorocarbon liquid facilitated by subretinal BSS, vibration, and gravity: a case report.
- Sphenopalatine ganglion stimulation upregulates transport of temozolomide across the blood-brain barrier
- Combating acquired resistance to MAPK inhibitors in melanoma by targeting Abl1/2-mediated reactivation of MEK/ERK/MYC signaling.
- US-triggered Microbubble Destruction for Augmenting Hepatocellular Carcinoma Response to Transarterial Radioembolization: A Randomized Pilot Clinical Trial.
- Safety and efficacy of soluble guanylate cyclase stimulators in patients with heart failure: A systematic review and meta-analysis.
- Three Decades of Research on Recombinant Collagens: Reinventing the Wheel or Developing New Biomedical Products?
- Time cells in the human hippocampus and entorhinal cortex support episodic memory.
- LGI1 encephalitis with squamous lung-cell carcinoma: Resolution after tumor resection.
- The Lysosomal Diseases Testing Laboratory: A review of the past 47 years.
- Linguistic analysis of empathy in medical school admission essays.
- A novel noninvasive approach for evaluating work of breathing indices in a developmental rat model using respiratory inductance plethysmography.
- Identifying Treatments for Taste and Smell Disorders: Gaps and Opportunities.
- Neonatal deaths in infants born weighing  $\geq 2500$  g in low and middle-income countries.
- Predictive Modeling for Perinatal Mortality in Resource-Limited Settings.

- Stillbirth 2010-2018: a prospective, population-based, multi-country study from the Global Network.
- Evaluating the effect of care around labor and delivery practices on early neonatal mortality in the Global Network's Maternal and Newborn Health Registry.
- What is Population Health? Ten Years On....
- Adiponectin inhibits cardiac arrest/cardiopulmonary resuscitation-induced apoptosis in brain by increasing autophagy involved in AdipoR1-AMPK signaling.
- Vitamin A and fish oils for preventing the progression of retinitis pigmentosa.

### **Departmental Reports:**

- Academic Commons Annual Report (2019-2020)

### **Dissertations:**

- A Systematic Approach to Big Data Analysis in Cataract Patients In Telangana State, India
- Using the Medical Expenditure Panel Survey to Explore the Association Between High Healthcare Utilization and Behavioral Health Diagnoses in a Pediatric Population with Chronic Conditions
- The Effect of Alcohol and Opioid Withdrawal on Single-Cell Glia and Neuronal Gene Expression in the Visceral Emotional Neuraxis
- Reactivating the GUCY2C Signaling Axis for Colorectal Cancer Chemoprevention
- Defining the MYC Transcriptional Regulatory Network in Human Cancer
- Development and Characterization of a Broadly Protective Lyssavirus Vaccine
- Development of a Zika Virus Vaccine
- Using the Medical Expenditure Panel Survey to Explore the Association between High Healthcare Utilization and Behavioral Health Diagnoses in a Pediatric Population with Chronic Disease
- mob-1: A novel mediator of ARDS
- Chromatin associated proteins of *Ustilago maydis*
- Differential regulation of collagenase and type I collagen gene expression by basic fibroblast growth factor in human smooth muscle cells
- Biochemical and functional analysis of N-cadherin phosphorylation in embryonic chick tissues
- Metachromatic leukodystrophy among the Navajo Indians: A study of the arylsulfatase A gene mutations present in this population
- Protective immunity to larval *Strongyloides stercoralis* in a mouse model
- Zinc finger proteins: A study of linker region importance, DNA, and RNA binding characteristics
- Voltage-activated gating of sodium channels
- IGF-I receptor signaling in mammalian cell growth and transformation
- A molecular and genetic analysis of variable number tandem repeat (VNTR) recombination in *Saccharomyces cerevisiae*

- Role of immunodominant T cell responses to minor histocompatibility antigens in a mouse model of graft-versus-host disease
- Structural and functional analysis of domains within the E2F1 transcription factor
- Isolation and characterization of suppressors of camptothecin toxicity in *Saccharomyces cerevisiae*
- Cloning and characterization of loci surrounding the familial renal cell carcinoma t(3;8) translocation break point
- Transcriptional regulation of epidermal-specific cell adhesion molecules

### **Educational Materials:**

- Breast Cancer Screening

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

- Palliative Medicine Consultation Trigger in the Surgical ICU
- John Alexander, MD (1891-1954): A leader in thoracic and tuberculosis surgery
- Confronting Inequities Uncovered By COVID-19: We're not all in this together... What Can Health Providers Do?
- Physicians Caring for Physicians as Patients
- The Tuskegee Syphilis Experiment: The Implications of its Legacy
- Jefferson Strategic Ventures: An Update
- Driving Quality Improvement through the Morbidity and Mortality Conference Portal
- Brief Psychotherapy in Primary Care
- Mental Health Care Transitions from Incarceration
- Level 4 Visit
- Updates in Cervical Cancer Screening
- Public Health Toolbox: Arts Informed Research
- Strategies for a Healthier Employee Population: How Principles of Population Health Apply
- Homeopathy-What is the Evidence
- Donahue Lecture
- Dynamic Duo: A New Spin on Treatment for Strategies for Heart Failure
- Surgical Science: Can Be Done, Should Be Done
- 27th Annual Paul C. Brucker, MD Lecture: Understanding the Role of Social Determinants in Persistent Health Disparities
- Navigating Through the COVID-19 Pandemic Utilizing Data & Analytics
- Day in the Life: Indian Health Service - Zuni, NM
- Exercise Prescriptions in Primary Care
- I'm In: Creating an Autism Friendly Practice
- You Don't Have to Get Diabetes: Jefferson Health Department of Medicine Grand Rounds
- How to Get Results: The Impact of Operational Excellence in Healthcare
- Journal Club: Compression Therapy to Prevent Recurrent Cellulitis of the Leg

- After the Election... A Population Health Open Forum
- What to Know About Acupuncture – Evidence and Clinical Practice
- On Point
- Preventing Blood Failure in Trauma Patients
- Advances in Breast Cancer Treatment
- Perioperative Assessment of Patients for Non-Cardiac Surgery
- Healthcare's New Diagnosis: Poverty (Z59.5) A Standard of Care to Treat the Social Determinants of Health
- The Importance of Utilizing Diabetes Prevention Programs
- Residency Recruitment: Changes and Challenges <https://jdc.jefferson.edu/annualpancreatic/2020/nov14/1>
- 15th Annual Pancreatic Cancer and Related Diseases Patient Symposium

### **JCPH Capstone Presentations:**

- 5- and 10-Year Cost-Effectiveness of Bariatric Surgery in Super Obese, Middle-Aged Patients: A United States Perspective
- Clinical and Economic Value of Implementing a Geriatric Hip Fracture Program in Hospitals in the United States
- Implementation of an Acute, Unscheduled Care Network for an Integrated Payer & Provider System in Chile: Alternative Sites for Increased Access and Cost Control
- The Light at the End of the Tunnel was an Oncoming Train: A Community Hospital's Response to the Covid-19 Pandemic
- Virtual Healthcare; Its Potential and its Challenges for Population Health Management. A Systematic Search and Narrative Summary
- Improving Care for the Population with Heart Failure: A Study of a Patient Education Quality Improvement, and Proposal for Next Steps in Program Development
- The Role of Specialists in Value-Based Care
- Utilization of a Mobile Integrated Healthcare Program in Richland County, South Carolina to Provide Access to Care, Lower Costs, and Improve Health Outcomes
- Disparities in Breast Cancer Screening, Treatment, and Outcomes: A Crisis in Need of Action
- Identifying and Equipping Change Agents to Power a Quality Improvement Flywheel in a Clinically Integrated Network Model
- A Qualitative Analysis of the Entertainment-Education Campaign “Girlsplained”
- Association Between Air Quality and Childhood Asthma Prevalence in Urban Areas in the United States
- Human Trafficking Legal Service Providers Respond to COVID-19
- What Are the Negative Health Effects Associated with Skin Bleaching in West African Countries?
- Immigration as a Public Health Competency; Results and Implications from a Survey Following La Casita Rosa, a Social Impact Film
- Neighborhood Availability of Quality Early Care and Learning Centers and Childhood Overweight/Obesity in Philadelphia, PA
- COVID-19 and Individuals Living with Cardiovascular Disease: A Rapid Review

### **Journals and Newsletters:**

- [Evanescent - Volume 2, Issue 1](#)
- [Innovator - Winter 2010](#)
- [Innovator - Fall 2010](#)
- [Innovator - Summer 2011](#)
- [Innovator - Fall 2012](#)
- [Innovator - Fall/Winter 2013](#)
- [Innovator - Fall 2014](#)
- [Innovator - Winter 2015](#)
- [Innovator - Fall 2016](#)
- [Innovator - Winter 2020](#)
- [Innovator - Fall 2020](#)
- [JHN Journal - Volume 15, Issue 1 - Summer 2020](#)

### **Library Presentations:**

- [Preprints Perspectives: A Panel Discussion](#)
- [Preprints: Accelerating Scholarly Communication](#)

### **Posters:**

- [Falls Prevention on an Observation Unit](#)
- [Sepsis Education on 5 Beurger](#)
- [Nurse Education and Enteral Feedings in Mechanically Ventilated Patients](#)
- [Increasing Out of Bed the Day of Surgery Documentation for Post-Op Total Hip & Knee Replacements](#)
- [Fall Reduction Utilizing Continuous Video Monitoring](#)

### **The Big in Big Data Symposium:**

- [Day 1 - Opening Remarks](#)
- [Session #1: Advancing Cancer Disparities Research: Opportunities for Big Data, Translational Research, and Precision Medicine](#)
- [Session #1: Understanding Race Differences and Improving Tobacco Treatment Outcomes in African American Smokers](#)
- [Session #2: Using Cancer Registry Data to Inform Community-Based Interventions](#)
- [Session #2: Engaging Community Cancer Centers To Accelerate Research and Improve Health Equity](#)
- [Session #2: Providing Oncology Care via Telemedicine](#)
- [Session #3: Racial Disparities in Occupational Risks and Lung Cancer Incidence: Analysis of the National Lung Screening Trial](#)
- [Session #3: RNA Splicing and Ancestry-related Molecular Targets in Precision Oncology and Cancer Disparities](#)
- [Day 2 Opening Remarks](#)

- Session #4: Short Regulatory RNAs and their Impact Depend on Personal Attributes: Implications for Identifying Novel Biomarkers and Novel Therapeutic Targets, and for Precision Medicine
- Session #4: Towards a More Complete Characterization of the Human MicroRNAome
- Session #4: Expression and Function of Cyclic Phosphate-containing RNAs: a Hidden Layer of the Transcriptome
- Session #4: Round Table - Meryl Weinreb, Moderator
- Session #5: Using Big Data on Small RNAs to Understand Human Development
- Session #5: Big Data and Genetic Liability to Neuropsychiatric Disease
- Session #5: Toward Personalized microRNA Therapeutics
- Session #6: Population Diversity in Lung Tumor Biology in the United States
- Session #6: About Chomsky, Motifs, Non-Coding DNA and RNA and Cancer Therapy
- Session #6: Round Table - Barbara Segarra-Vazquez, Moderator
- Closing Remarks

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

Name: Natalia S.

Country: US

Role: OT Alumni and OT Practitioner

Resource URL: <https://jdc.jefferson.edu/createday/>

Comments: Great Presentation. You brought to surface great points about an OT role in a parent with an SCI. Some points that I felt were important include: providing SCI parenting education in the hospital post partum for mothers; schools not being accessible for parents with SCI; and decreased research for fathers of SCI vs. mothers. I also found the website: Through the looking glass great! Thank you!

Name: Margaret B.

Country: US

Role: Freelance Writer

Resource URL: [https://jdc.jefferson.edu/alumni\\_bulletin/122/](https://jdc.jefferson.edu/alumni_bulletin/122/)

Comments: I am doing research for an essay. My grandfather was Dr. C. Nelson Davis (founder of Malvern Institute) depicted in the photograph on page 46 awarding the Citation of Merit to Dr. Keyes.

Name: Tabatha

Country: US

Role: Patient with FAI & synovial herniation pit

Resource URL: <https://jdc.jefferson.edu/orthofp/32/>

Comments: When my hip condition first started hurting 7 years ago I received an MRI arthrogram test/steroid injection simultaneously with dye. Back then very little data about my condition had been put online at all. Even now its limited material. I appreciate reading this article as it helped me to learn more information. Now at 36 years old-I am in severe hip/thigh pain again and about to get another MRI arthrogram and possibly the arthroscopic surgery to

correct the condition. I am also a nurse and mother of four boys.  
Thank you again for putting this article online!

Name: Marion S.

Country: US

Role: faculty

Resource URL: [https://jdc.jefferson.edu/jmc\\_yearbooks/87/](https://jdc.jefferson.edu/jmc_yearbooks/87/)

Comments: I have been invited to join/ address the class of 1990 to celebrate the 30th anniversary of their graduation!! Want to make sure I can associate faces I remember with names, which I often forget.

Country: US

Role: Nurse Practitioner

Comments: Great article and will sway my chose when thinking about prescribing Bupropion to the elderly population

Name: Juliet H.

Country: US

Role: OT

Resource URL: <https://jdc.jefferson.edu/createday/>

Comments: Well done. Great resource for something I need to learn more about.