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## Jefferson Digital Commons quarterly report: July-September 2018

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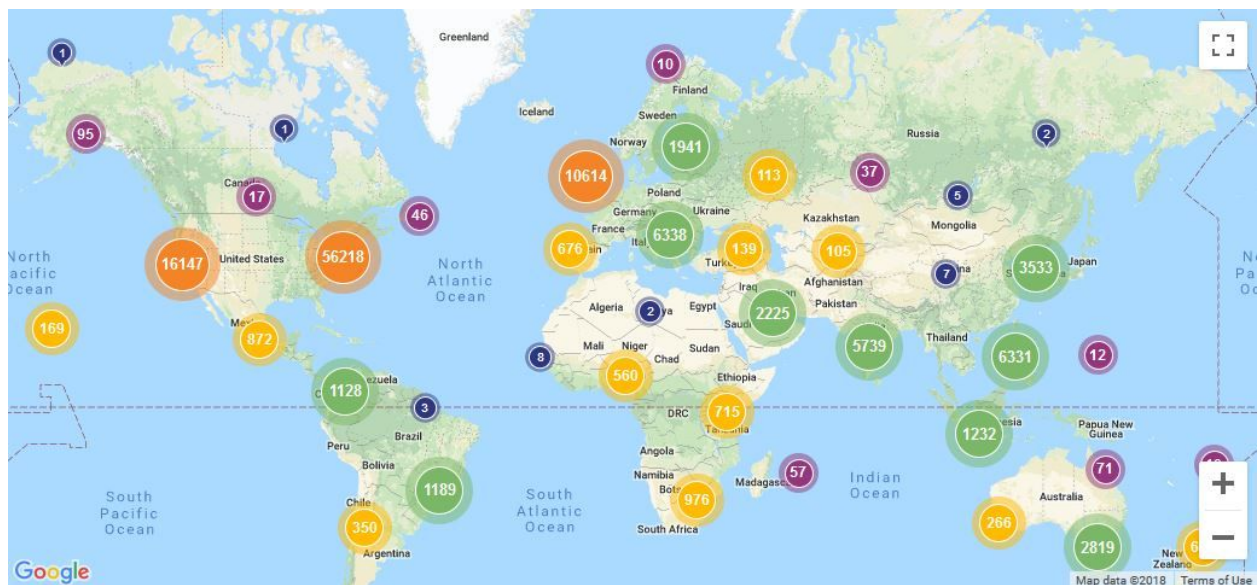
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# Jefferson Digital Commons Quarterly Report: July-September 2018

Summer has ended, but that period saw a number of exciting new additions to the JDC. In the last quarter we had:

- **124,104** downloads
- **598** new works posted
- **192** countries visit the site
- **7,302** institutions access content



Readership distribution July-September 2018

## **In this Issue**

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## New Collection Alert

One of the highlights of the Gutman Library's Special Collections is its [Textile & Costume Collection](#), which contains a broad sample of design across different cultures and historical periods, including textile swatches, garments, lace, haute couture, and tools.



Among the tools are a number of printing blocks, more than 300 of which are now available in the Jefferson Digital Commons. These wooden and metal blocks were created by hand and show traditional Indian designs as well as patterns created for the Western Market. Check out all of the stunning designs at <https://jdc.jefferson.edu/textileprintingblocks/>.

## Articles:

- [Optimizing visiting clerkships in dermatology: a dual perspective approach.](#)
- [Cardiac-derived CTRP9 protects against myocardial ischemia/reperfusion injury via calreticulin-dependent inhibition of apoptosis.](#)
- [Layout and flow of dermatology clinics: principles from operations management.](#)
- [Concurrent regulation of LKB1 and CaMKK2 in the activation of AMPK in castrate-resistant prostate cancer by a well-defined polyherbal mixture with anticancer properties.](#)
- [The feasibility of task-sharing the identification, emergency treatment, and referral for women with pre-eclampsia by community health workers in India.](#)
- [Early gestational mesenchymal stem cell secretome attenuates experimental bronchopulmonary dysplasia in part via exosome-associated factor TSG-6.](#)
- [Overcoming challenges to dissemination and implementation of research findings in under-resourced countries.](#)
- [Availability and use of magnesium sulphate at health care facilities in two selected districts of North Karnataka, India.](#)
- [Early pregnancy loss in Belagavi, Karnataka, India 2014-2017: a prospective population-based observational study in a low-resource setting.](#)
- [Lateralized hippocampal oscillations underlie distinct aspects of human spatial memory and navigation.](#)
- [Credibility, Replicability, and Reproducibility in Simulation for Biomedicine and Clinical Applications in Neuroscience.](#)
- [Trends and determinants of stillbirth in developing countries: results from the Global Network's Population-Based Birth Registry.](#)

- Pregnancies complicated by maternal osteogenesis imperfecta type III: a case report and review of literature.
- Emerging cad and bim trends in the aec education: An analysis from students' perspective
- An approach to identify a minimum and rational proportion of caesarean sections in resource-poor settings: a global network study.
- Systemwide Clinical Ultrasound Program Development: An Expert Consensus Model.
- Visual field changes in professional wind versus non-wind musical instrument players in the Philadelphia orchestra
- Life After Being a Pathology Department Chair II: Lessons Learned.
- Mortality in children, adolescents and adults with sickle cell anemia in Rio de Janeiro, Brazil.
- Challenges of pain management in neurologically injured patients: systematic review protocol of analgesia and sedation strategies for early recovery from neurointensive care.
- Fasudil in Combination With Bone Marrow Stromal Cells (BMSCs) Attenuates Alzheimer's Disease-Related Changes Through the Regulation of the Peripheral Immune System.
- In wound repair vimentin mediates the transition of mesenchymal leader cells to a myofibroblast phenotype.
- Ferritin level prospectively predicts hepatocarcinogenesis in patients with chronic hepatitis B virus infection
- Comparison of osteoporosis pharmacotherapy fracture rates: Analysis of a marketScan® claims database cohort
- Dealing With Deans and Academic Medical Center Leadership: Advice From Leaders.
- Using competition assays to quantitatively model cooperative binding by transcription factors and other ligands.
- SUMO-mediated regulation of NLRP3 modulates inflammasome activity.
- Retrograde axonal transport of rabies virus is unaffected by interferon treatment but blocked by emetine locally in axons.
- Enzyme replacement therapies: What is the best option?
- With some risk-taking and luck: A veterinarian's adventures in viral immunology.
- Quantitative Assessment of the Anatomical Footprint of the C1 Pedicle Relative to the Lateral Mass: A Guide for C1 Lateral Mass Fixation
- Epigenetics in ovarian cancer: premise, properties, and perspectives.
- Coupling of Smoothed to inhibitory G proteins reduces voltage-gated K
- Local BDNF Delivery to the Injured Cervical Spinal Cord using an Engineered Hydrogel Enhances Diaphragmatic Respiratory Function.
- Prevalence of and Factors Associated with Negative Microscopic Diagnosis of Cutaneous Leishmaniasis in Rural Peru.
- miR126-5p Downregulation Facilitates Axon Degeneration and NMJ Disruption via a Non-Cell-Autonomous Mechanism in ALS.

- Regulation of Nociceptive Glutamatergic Signaling by Presynaptic Kv3.4 Channels in the Rat Spinal Dorsal Horn.
- Endorepellin remodels the endothelial transcriptome toward a pro-autophagic and pro-mitophagic gene signature.
- On the dependability and feasibility of layperson ratings of divergent thinking
- Enhanced co-registration methods to improve intracranial electrode contact localization.
- Carnosol Modulates Th17 Cell Differentiation and Microglial Switch in Experimental Autoimmune Encephalomyelitis
- The role of human papillomaviruses and polyomaviruses in BRAF-inhibitor induced cutaneous squamous cell carcinoma and benign squamoproliferative lesions
- Ureteroscopic lithotripsy.
- Urinary stone disease: Great progress with promise for the future.
- Ureteroscopic treatment of larger renal calculi (>2 cm).
- Spontaneous Lung Herniation Leading to Extensive Subcutaneous Emphysema, Pneumothorax, Pneumomediastinum, and Pneumopericardium.
- Another "D" in MUDPILES? A Review of Diet-Associated Nondiabetic Ketoacidosis.
- A Bibliometric Analysis of the Top 100 Cited Articles on Hepatic Magnetic Resonance Imaging.
- Lafora Disease Masquerading as Hepatic Dysfunction
- Retrospective Evaluation of Clinical Experience With Intravenous Ascorbic Acid in Patients With Cancer.
- *Listeria monocytogenes* as a vector for cancer immunotherapy: Current understanding and progress
- Bowel preparation quality scales for colonoscopy.
- The Guanylate Cyclase C-cGMP Signaling Axis Opposes Intestinal Epithelial Injury and Neoplasia.
- Early Investigations and Recent Advances in Intraperitoneal Immunotherapy for Peritoneal Metastasis.
- Modeling the dynamics of human liver failure post liver resection
- Bath-Related Headache
- A new lower actinopterygian fish from the Upper Mississippian Bluefield Formation of West Virginia, USA
- Utilizing V-Y fasciocutaneous advancement flaps for vulvar reconstruction.
- Cadaveric simulation for improving surgical training in dermatology.
- Examining relationships between age at diagnosis and health-related quality of life outcomes in prostate cancer survivors.
- High Fat Diet Upregulates Fatty Acid Oxidation and Ketogenesis via Intervention of PPAR- $\gamma$ .
- Lacrimal gland tumors in Turkey: types, frequency, and outcomes.
- Accuracy of height estimation among bystanders
- Monocarboxylate Transporter 4 (MCT4) Knockout Mice Have Attenuated 4NQO Induced Carcinogenesis; A Role for MCT4 in Driving Oral Squamous Cell Cancer.

- Hypoglycemic, hypolipidemic and antioxidant effects of iridoid glycosides extracted from: Corni fructus: Possible involvement of the PI3K-Akt/PKB signaling pathway
- Metformin as a Therapeutic Target in Endometrial Cancers.
- Pretty peachy.
- Loss-of-function mutations in ATP6AP1 and ATP6AP2 in granular cell tumors.
- EMT- and stroma-related gene expression and resistance to PD-1 blockade in urothelial cancer.
- Activation of the Gi protein-RHOA axis by non-canonical Hedgehog signaling is independent of primary cilia.
- Consecutive Case Series of Melanoma Sentinel Node Biopsy for Lymphoseek Compared to Sulfur Colloids
- Ibrutinib Unmasks Critical Role of Bruton Tyrosine Kinase in Primary CNS Lymphoma.
- Characterization of health care utilization in patients receiving implantable cardioverter-defibrillator therapies: An analysis of the managed ventricular pacing trial.
- Introduction to direct oral anticoagulants and rationale for specific reversal agents.
- Evidence supporting idarucizumab for the reversal of dabigatran.
- Cabazitaxel in the treatment of metastatic castration-resistant prostate cancer: patient selection and special considerations.
- Bleeding with direct oral anticoagulants vs warfarin: clinical experience.
- Amlexanox Enhances Premature Termination Codon Read-Through in COL7A1 and Expression of Full Length Type VII Collagen: Potential Therapy for Recessive Dystrophic Epidermolysis Bullosa.
- TIA1 Mutations in Amyotrophic Lateral Sclerosis and Frontotemporal Dementia Promote Phase Separation and Alter Stress Granule Dynamics.
- Posttranscriptional Upregulation of IDH1 by HuR Establishes a Powerful Survival Phenotype in Pancreatic Cancer Cells.
- Phase Ib/II Study of the Safety and Efficacy of Combination Therapy with Multikinase VEGF Inhibitor Pazopanib and MEK Inhibitor Trametinib In Advanced Soft Tissue Sarcoma.
- Strain specific effects of low level lead exposure on associative learning and memory in rats.
- Mdm2 Is Required for Survival and Growth of p53-Deficient Cancer Cells.
- Hematologic Toxicity of Concurrent Administration of Radium-223 and Next-generation Antiandrogen Therapies.
- Targeting the Nrf2-Heme Oxygenase-1 Axis after Intracerebral Hemorrhage.
- Cyclin D1 Restrains Oncogene-Induced Autophagy by Regulating the AMPK-LKB1 Signaling Axis.
- Molecular-Based Recursive Partitioning Analysis Model for Glioblastoma in the Temozolomide Era: A Correlative Analysis Based on NRG Oncology RTOG 0525.
- NRG Oncology-Radiation Therapy Oncology Group Study 1014: 1-Year Toxicity Report From a Phase 2 Study of Repeat Breast-Preserving Surgery and 3-Dimensional Conformal Partial-Breast Reirradiation for In-Breast Recurrence.



- Structural basis for selective inhibition of Cyclooxygenase-1 (COX-1) by diarylisoxazoles mofezolac and 3-(5-chlorofuran-2-yl)-5-methyl-4-phenylisoxazole (P6).
- Lung Rest During Extracorporeal Membrane Oxygenation for Neonatal Respiratory Failure-Practice Variations and Outcomes.
- Functional selectivity of GPCR-directed drug action through location bias.
- Adjuvant radiation therapy, androgen deprivation, and docetaxel for high-risk prostate cancer postprostatectomy: Results of NRG Oncology/RTOG study 0621.
- Cesarean in the second stage: a possible risk factor for subsequent spontaneous preterm birth.
- Inhibition of Age-Related Therapy Resistance in Melanoma by Rosiglitazone-Mediated Induction of Klotho.
- APRIL:TACI axis is dispensable for the immune response to rabies vaccination.
- Intracellular Ca<sup>2+</sup> sensing: role in calcium homeostasis and signaling
- Fructose 2,6-Bisphosphate in Cancer Cell Metabolism
- Pepducin-mediated cardioprotection via  $\beta$ -arrestin-biased  $\beta$ 2-adrenergic receptor-specific signaling
- The genomic landscape of cutaneous SCC reveals drivers and a novel azathioprine associated mutational signature
- Predicting risk of hospitalisation: a retrospective population-based analysis in a paediatric population in Emilia-Romagna, Italy.
- Transcriptional up-regulation of relaxin-3 by Nur77 attenuates  $\beta$ -adrenergic agonist-induced apoptosis in cardiomyocytes.
- Frameworks for Strategic Leadership

### **Code Red: Battling the Plague of Gun Violence**

- Epidemiology of Gun Violence in Pennsylvania
- Afternoon Keynote: Pennsylvania Gun Policies and Nationwide Comparison
- Storytelling and Advocacy for Physicians
- Preventing Gun Violence in Pediatrics
- Anatomy of Guns, Mike "The Gun Guy" Weisser, and the Physics of Gun Injury
- Concluding Remarks

### **Dissertations:**

- Novel Roles of Transcription Factor TonEBP in Nucleus Pulposus Cells of the Intervertebral Disc
- Long-term Protection against a Pathogenic Wild-Type RABV CNS Challenge and the Establishment of Tissue Resident Long-Lived Effector Cells during Immunization
- Mechanisms Underlying RAF Inhibitor Resistance by BRAF Splice Variants in Melanoma
- Effects of the Care Transition Intervention in the PCMH on Heart Failure 30 Day Readmissions
- Two Distinct GUCY2C Neuronal Pathways in the Hypothalamus and Midbrain

- THE EFFECTS OF HYDROCORTISONE ON FOS, MYC AND RAS EXPRESSION IN IMR-90 FIBROBLASTS
- {it In vitro} effects of sera from stressed rats on growth parameters of normal and transformed rat cells
- Re-Envisioning Talent Management for the 4th Industrial Revolution: A Systems and Design Thinking Intervention
- A Hybrid Holistic Thinking Approach for Resetting the Seabrook Chapter of the Japanese American Citizens League (JAACL)
- Defining the Landscape of Radiation Oncology Accreditation in the United States
- Performance Metrics in Radiation Oncology: Benchmarking Practice and Future Planning
- Insurance Status and Hepatocellular Carcinoma Staging, Treatment and Survival: A SEER Database Analysis
- An Examination of Large Employer Workplace Lactation Support: Organizational Support and Employee Perceptions
- Functional Status in Hospitalized Senior Patients: Measurement, Prediction Models, and Cost-Saving Opportunities

#### **From the Archives:**

- Textile Printing Block Collection
- 2008 Clinic Yearbook
- 2013 Clinic Yearbook

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

- Annual Change in Opioid Prescribing and Concomitant Medications from an Urban Academic Emergency Department from 2011-2016
- Chronic Disease Management of HIV
- Opioid Use Disorder Resources
- General Surgical Conditions
- Hospice Care for the Primary Clinician
- Medical Alert! Climate Change is Harming Our Health
- Medical Malpractice: A Primer
- Department of Surgery Town Hall Meeting
- Charles Heber McBurney (1845-1913)
- Evidence for Teaching and Learning in Clinical Medicine
- How Does Unconscious Bias Affect Your Work? How Does it Affect Your Life?
- Critical Ethical Issues in Contemporary Medicine
- Gestational Diabetes
- EKG Workshop
- Acute Coronary Syndromes
- Linkage Mapping Whatcom County: A New Community Utility - Maps for Navigating Complexity and Chaos Always a Work in Progress



- The What, Why, and How of Fetal Alcohol Spectrum Disorders Prevention
- A History of Philadelphia's Neighborhoods and Ethnic Groups: 1681-2018, a 337 Year Journey
- Vaccine Grand Rounds
- The History and Future of Medicine
- Conflict in the Patient-Provider Relationship
- Journal Club: Mifepristone Pretreatment in Early Pregnancy Loss
- STIs for Primary Care: 2018
- The Role of Exercise in the Treatment of Depression
- Preparticipation Physical Evaluation and the Special Olympics Athlete
- 10 Health Moonshots: How a Global Army of Health Transformers Is Accomplishing One Impossible Dream
- Quality Has No Limits: Brown Bag Lunch & Learn
- Hemp & Cannabinoid Therapy
- Level 4 Visit
- Primary Care Evaluation and Treatment of AUB in Reproductive-Aged Women
- The ARRIVE Trial: Labor Induction Versus Expectant Management in Low-Risk Nulliparous Women
- Methotrexate for the Management of Ectopic Pregnancy
- Thyroid Function Disorders: Diagnosis through Lab Testing
- Delirium

## **House Staff Quality Improvement and Patient Safety**

### **Posters:**

- Effective Hepatitis C Screening In High Risk Populations
- Improving Advanced Care Planning Documentation in the Outpatient Setting
- Hey, What's the Delay? An Evaluation of Reporting Time for Pediatric EEGs
- A Provider-Based Survey on Quality of Care and Identification of Quality Gaps in Inpatient Palliative Care
- Establishing Cost-effective Management of Postoperative Urinary Retention after Spine Surgery
- Improving Resident Confidence and Efficiency During Stroke Alerts Through Simulation Training
- Improving follow-up for family medicine patients after hospital discharge
- Standardized Discharge Instructions and their Impact on Post Operative Patient Knowledge
- Optimizing Physical Therapy Sessions Among Patients Undergoing Elective Lumbar Surgery
- Order from Order Sets: Analysis of Ordering Patterns and Patient Outcomes Before and After Order Set Changes on the Inpatient Psychiatry Units at TJUH
- Adequate patient education - The key to improving patient experience while being under contact precautions?

- Implementation of a Volunteer-Based Hospital Program for Older Adults
- Implementation of Attending-Supervised IPASS Handoff in the Neuro-ICU
- The 'med history note': A standardized method of reducing medication history errors among internal medicine residents in a teaching hospital
- Improvement in Patient Safety through "Irrigation Time-Outs" During TURP Procedures
- Central Line Cart: An Emergency Department Initiative to Improve Efficiency
- A deadly prescription: combination of methotrexate and trimethoprim-sulfamethoxazole.
- Posterior reversible encephalopathy syndrome (PRES) after bevacizumab therapy for metastatic colorectal cancer.
- Improving Medical and Endovascular Management for Acute Ischemic Stroke Through Multidisciplinary Education and Simulation
- Process Improvement for Endovascular Thrombectomy in Patients Presenting with Acute Ischemic Stroke
- Cross-Departmental Educational Program on Complex Airway and Epistaxis Management
- Handoff Training in Undergraduate Medical Education – Identifying and Closing the Gaps
- The effects of office-based interventions to increase patient enrollment in an online electronic medical record portal
- Awareness During an Intensive Care Unit Procedure: A Root Cause Analysis and Creation of the D5 Handoff Tool
- Bad Out of the Box: A Report on Pre-operative Failure Rates of Reusable Flexible Ureteroscopes at a Single Institution
- Improving Transitions of Care for Inpatients with an eGFR < 20ml/min
- Adaptation of a Standardized Handoff System for a Radiology Residency Program

### **Journals and Newsletters:**

- The Medicine Forum, Volume 19 (2018)
- A Word From The Writing Team (July 2018)
- The Bulletin: Sidney Kimmel Medical College at Thomas Jefferson University, Volume 67, Issue 2, Spring/Summer 2018
- Strategic Leadership Newsletter: Volume 4, Number 3
- A Word From The Writing Team (September 2018)

### **Nexus Maximus:**

- CHAMP: Choosing Healthy Active Moving Play
- Track My Trip
- Integration through Green Murals
- PhilaGreen: "Buy Green. Give Green. Live Green"
- Neighborhood Socials in South Philadelphia
- Signs of Trust
- Philly N' Me

- Estuary: Mobile Support Service
- Phil Like Playing?
- Fish Bowl
- Cross Like a Boss
- Success in the Streets of Kensington
- New Life
- LNP Mediators for Posterity
- Happy Mind
- Infrastructure Revitalizing Community
- What's Cooking?
- A Bag for a Bag
- Growing Garden
- Fresh Express

### **Posters:**

- Impact of an Academic Pharmacy Elective on Student Interest in a Career in Academia
- Advocacy Projects in Interprofessional Education: Update on the Jefferson Health Mentors Program
- The Next Generation: A Novel Diabetes Elective Course for Pharmacy Students
- ATRX mutation in Pineal Parenchymal Tumor of Intermediate Differentiation
- Endomembrane-Associated Pre-embedding Immunogold Labeling
- Preferred Criterion for Deciding Laparoscopic Cholecystectomy for Patients with Chronic Cholecystitis Using Radio-Nuclide Tc99m Hepatobiliary Mebrofenin

### **Third Annual Sepsis Symposium:**

- Not How, But Why
- Sepsis in 2018: "ED, ICU, Surgical Perspectives"
- Balancing Early Antibiotic Administration and Stewardship in Sepsis
- Severe Sepsis and Septic Shock The Evolution and Evidence: From Protocols to Public Policy
- Sepsis Treatment: Is There a Role for Vitamins?
- HCA Home Care Sepsis Screening & Intervention Tool

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

#### **Commons:**

Name: Tiffanie Morrow

Country: US

Role: caregiver

Resource URL: <http://jdc.jefferson.edu/radoncfp/17/>

Comments: I can now better understand late radiation symptoms... so little to read. My husband is 6 yr survivor and now having weakness and now extreme one sided motor issues... seems a little like ms, loss of muscle control.

Name: Anna Bates

Country: US

Role: faculty

Resource URL: [http://jdc.jefferson.edu/yellow\\_fever\\_symposium/10/](http://jdc.jefferson.edu/yellow_fever_symposium/10/)

Comments: I am writing an article about Methodist circuit riding preachers who died from Yellow Fever in the United States between c. 1784 and 1899.

Name: Melanie Epperson

Country: US

Role: Infection Preventionist

Resource URL: <https://jdc.jefferson.edu/healthpolicyfaculty/49/>

Comments: Our healthcare system is endeavoring to improve hand hygiene compliance among healthcare personnel. We would like to engage patients and families in this effort, and this article is part of a literature search performed for this purpose.

Name: Owen Korn

Country: CL

Role: faculty

Resource URL: [https://jdc.jefferson.edu/dacosta\\_modernsurgery/](https://jdc.jefferson.edu/dacosta_modernsurgery/)

Comments: I'm interested in the history of surgery and as a professor of young surgeons I want them to know and value it

Name: Julie Reimann

Country: US

Role: granddaughter to Dr. Hobart Reimann

Resource URL: <https://jdc.jefferson.edu/wagner2/>

Comments: Dr. Hobart Reimann was my grandfather. I am researching his career to pass the information on to my children. Thank you.

Name: Melanie Taylor

Country: US

Role: MSNEd. Nurse educator

Comments: I have been learning about improved therapies for glioblastoma. This article is free, makes this search much more rewarding.

Name: Salameh Atrash

Country: IL

Role: student

Resource URL: [https://jdc.jefferson.edu/regional\\_anatomy/8/](https://jdc.jefferson.edu/regional_anatomy/8/)

Comments: good materials