

FEP 2.01.87 Confocal Laser Endomicroscopy

Effective Date: April 15, 2018

Related Policies:

2.01.80 Endoscopic Radiofrequency Ablation or Cryoablation for Barrett Esophagus
2.01.84 Chromoendoscopy as an Adjunct to Colonoscopy
6.01.32 Virtual Colonoscopy/Computed Tomography Colonography

Confocal Laser Endomicroscopy

Description

Confocal laser endomicroscopy (CLE), also known as confocal fluorescent endomicroscopy and optical endomicroscopy, allows in vivo microscopic imaging of cells during endoscopy. CLE is proposed for a variety of purposes, especially as a real-time alternative to biopsy/polypectomy and histopathologic analysis during colonoscopy and for targeting areas to undergo biopsy in patients with inflammatory bowel disease or Barrett esophagus.

FDA REGULATORY STATUS

Two CLE devices have been cleared for marketing by FDA through the 510(k) process.

Celvizio® (Mauna Kea Technologies, Paris, France) is a confocal microscopy with a fiber optic probe (ie, a probe-based CLE system). The device consists of a laser scanning unit, proprietary software, a flat-panel display, and miniaturized fiber optic probes. The F-600 system, cleared by FDA in 2006, can be used with any standard endoscope with a working channel of at least 2.8 mm. According to FDA, the device is intended for confocal laser imaging the internal microstructure of tissues in the anatomic tract (gastrointestinal or respiratory) that are accessed by an endoscope. The 100 series version of the system was cleared by FDA in 2015 for imaging the internal microstructure of tissues and for visualization of body cavities organs and canals during endoscopic and laparoscopic surgery. FDA product code: GCJ.

Confocal Video Colonoscope (Pentax Medical, Montvale, NJ) is an endoscopy-based CLE system. The EC-3570CILK system, cleared by FDA in 2004, is used with a Pentax Video Processor and with a Pentax Confocal Laser System. According to FDA, the device is intended to provide optical and microscopic visualization of and therapeutic access to the lower gastrointestinal tract. FDA product code: GCJ/KOG (endoscope and accessories).

POLICY STATEMENT

Use of confocal laser endomicroscopy is considered **investigational**.

BENEFIT APPLICATION

Experimental or investigational procedures, treatments, drugs, or devices are not covered (See General Exclusion Section of brochure).

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SB Merriam

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Medical Subject Headings National Library of Medicine (U.S.),1997
New York State College of Veterinary Medicine. Teaching Hospital,1976
Brad Dayley,Ron Tanner,2004-12-09 Novell ZENworks 6 5 is a comprehensive set of integrated tools that automate IT management and business processes across the lifecycle of desktops laptops servers and handhelds across diverse server and client platforms The Novell ZENworks 6 5 Suite Administrator s Handbook is a solid reference guide to all the new features of ZENworks 6 5 It includes descriptions of all the ZENworks 6 5 components as well as the new features from the merged products Packed with detailed information on how to install efficiently use and troubleshoot ZENworks 6 5 in an enterprise environment Novell ZENworks 6 5 Suite Administrator s Handbook is sure to be the only guide you need to maximize your ZENworks 6 5 experience

Nuclear Medicine Technology: Procedures and Quick Reference Pete Shackett,2019-08-14
Completely updated with the latest advances in imaging technology this quick reference manual is the only procedures guide specifically geared to nuclear medicine technologists A concise easy to read bulleted outline format provides clear step by step instructions for 61 scan procedures including listings of possible artifacts and problems that may arise during each scan Detailed anatomic illustrations clarify anatomy and body systems and Patient History sections enhance students patient communication and education capabilities

Master Medicare Guide Wolters Kluwer Law & Business,2015-02-25 The 2015 Master Medicare Guide is packed with timely and useful information to help you stay on top of one of the most complex programs administered by the federal government The 2015 Edition includes Over 500 explanation summaries for all aspects of the Medicare program coverage eligibility reimbursement fraud and abuse and administration Highlights of the Protecting Access to Medicare Act of 2014 P L 113 93 and the Improving Medicare Post Acute Care Transformation Act of 2014 P L 113 185 the most recent physician fee schedule reimbursement fix A focus on the continuing implementation of the Affordable Care Act as it relates to Medicare including accountable care organizations and a tighter link between the quality of health care and Medicare reimbursement All discussions include cross references to relevant laws regulations CMS manual sections administrative and judicial decisions and more

Handbook of Functional Neuroimaging of Cognition Roberto Cabeza,Alan Kingstone,2001 With its strong theoretical focus this book serves as an essential resource on the functional neuroimaging of cognitive processes and on the latest discoveries obtained through positron emission tomography PET and functional magnetic resonance imaging fMRI techniques It is organized into three sections The first covers the history and methods of PET and fMRI as well as cognitive networks showing how the brain regions involved in the different cognitive processes interact The second part the book s core covers PET and fMRI findings in specific domains attention visual recognition language semantic memory episodic memory and working memory The third part covers the effects of aging on brain activity during cognitive performance and also examines research with neuropsychologically impaired patients

Contributors Jeffrey Binder Randy L Buckner Roberto Cabeza Mark D Esposito Paul Downing Russell Epstein Karl J Friston John D E Gabrieli Todd C Handy Joseph B Hopfinger Nancy Kanwisher Zoe Kourtzi Jessica M Logan George R Mangun Alex Martin A R McIntosh L Nyberg Cathy J Price Marcus E Raichle *Medical Subject Headings* National Library of Medicine (U.S.),2000 Student Procedure and Policy Manual, 1981-1982 New York State College of Veterinary Medicine. Teaching Hospital,1981 Master Medicare Guide 2015 Wolters Kluwer Law & Business Health Editorial,2015-02-25 The 2015 Master Medicare Guide is a one volume desk reference packed with timely and useful information for providers attorneys accountants and consultants who need to stay on top of one of the most complex programs maintained by the federal government *Handbook of Forensic Photography* Sanford Weiss,2022-06-20 Handbook of Forensic Photography is the most comprehensive definitive reference for the use of photography in the capture and presentation of forensic evidence The intent is to inform the reader about the most complete and up to date methods to capture and reproduce images that most accurately represent the evidence With the rise in importance of forensic science crime and accident scene documentation has likewise increased in importance not the least of which has been forensic photography The need to use accepted practice and protocols to guarantee the authenticity of images for evidence documentation is paramount for using it in court And as with any discipline there is an art to the science of forensic photography Contributing authors from various backgrounds each experts in their field have provided numerous case examples best practices and recommendations for recognizing recording and preserving evidence using cameras and the latest digital image technology including video and other imaging technologies Chapters present such topics as videography drone photography underwater photography crime scene photography autopsy photographs fire documentation forensic odontology and more The book closes with coverage of courtroom displays presenting imaging evidence and expert witness testimony in the courtroom Handbook of Forensic Photography is a must have reference for experienced crime scene photographers death and crime scene investigators police and forensic professionals including medical examiners odontologists engineers and forensic anthropologists who frequently need to capture investigative photographs in the course of investigations Practice Made Perfect Marsha L. Heinke,2014-05-14 **California. Court of Appeal (2nd Appellate District). Records and Briefs** California (State)., Carotid Artery Disease Mark K. Eskandari,William H. Pearce,2010 Compilation of presentations on topics relating to carotid artery disease from the last five symposia sponsored by the Division of Vascular Surgery Feinberg School of Medicine Northwestern University Chicago Illinois USA Pref **Histopathologic Techniques** ,2006 **Geriatric Emergency Medicine, An Issue of Clinics in Geriatric Medicine, E-Book** Christopher R. Carpenter,2013-02-28 This issue of Clinics in Geriatric Medicine features expert clinical reviews on Geriatric Emergency Medicine which includes current information on topics such as palliative medicine and emergency care alternative management strategies transitions of care the emergency department observation unit and the older patient generalized weakness altered mental status trauma

management acute pain management acute visual changes orthopedic emergencies dizziness palpitations acute stroke syndromes abuse and neglect and electrolyte and endocrine emergencies Radiology Department Compliance Manual Patricia C. Messick, Aspen Health Law and Compliance Center, 2001 Here s more help to comply with ever changing complex radiology department regulations In the Fourth Edition of Radiology Department Compliance Manual you get everything you need to stay in compliance 1 Legal compliance questions and answers Find the legal answers you need in seconds updated to reflect changes in the law through 2000 2 Joint Commission survey questions and answers Get inside guidance from colleagues who were surveyed in the last year 3 Hospital accreditation standard analysis Learn about Joint Commission standards as they apply to the radiology department including new requirements issued for 2001 4 Reference materials for radiology department compliance All the tools you need to comply with radiology department related regulations laws and accreditation standards Sample documentation updated for this new edition include forms policies and procedures recently reviewed by the Joint Commission 5 A diskette contains many of the forms policies procedures and other documentation within the Reference Materials section **Litigation Services Handbook** Roman L. Weil, Daniel G. Lentz, Elizabeth A. Evans, 2017-04-05 The comprehensive bible for financial experts providing litigation support The Litigation Services Handbook is the definitive guide for financial experts engaged in litigation services Attorneys require financial experts now more than ever and this book provides the guidance you need to provide a high level of service as witness and consultant Enhance your litigation skills as you delve into the fine points of trial preparation deposition and testimony project authority under examination and hold up to tough questions under cross examination Fraud investigations are a major component of litigation support services and this book delves deep into Sarbanes Oxley compliance and other relevant topics to give you a foundational understanding of how these cases are prosecuted and your role as the financial services expert This updated sixth edition includes new coverage of technology s role in the financial expert s practice and the focus on investigations provides practical insight from leading experts in the field From the process itself to proving damages this indispensable reference covers all aspects of litigation services Providing litigation support requires more than just your financial expertise you also need a working knowledge of relevant case law and a deep understanding of both the litigation process and the finer points of courtroom appearances This book provides the insight and perspective you need to provide superior service to attorneys and their clients Understand your role in trial preparation and testimony presentation Provide authoritative responses to direct and cross examination Examine and analyze Sarbanes Oxley rulings Lend financial expertise to fraud investigations The growing demand for financial expert litigation services has created a niche market for CPAs creating a lucrative opportunity for qualified accountants who also possess the specialized knowledge the role requires The Litigation Services Handbook is THE essential guide for anyone involved in financial litigation Handbook of Emergency Response Adedeji B. Badiru, LeeAnn Racz, 2013-08-22 Despite preemptive preparations disasters can and do occur Whether natural

disasters catastrophic accidents or terrorist attacks the risk cannot be completely eliminated A carefully prepared response is your best defense Handbook of Emergency Response A Human Factors and Systems Engineering Approach presents practical advice and guidelines Interventional Urology Ardeshir R. Rastinehad,David N. Siegel,Bradford J. Wood,Timothy McClure,2021-11-17 This updated text provides a concise yet comprehensive and state of the art review of evolving techniques in the new and exciting subspecialty of interventional urology Significant advances in imaging technologies diagnostic tools fusion navigation and minimally invasive image guided therapies such as focal ablative therapies have expanded the interventional urologists clinical toolkit over the past decade Organized by organ system with subtopics covering imaging technologies interventional techniques recipes for successful practice pitfalls to shorten the learning curves for new technologies and clinical outcomes for the vast variety of interventional urologic procedures this second edition includes many more medical images as well as helpful graphics and reference illustrations The second edition of Interventional Urology serves as a valuable resource for clinicians interventional urologists interventional radiologists interventional oncologists urologic oncologists as well as scientists researchers students and residents with an interest in interventional urology **Army Biometric Applications** John D. Woodward,Katharine Watkins Webb,Elaine M. Newton,Melissa A. Bradley,David Rubenson,2001-08-20 Every human possesses more than one virtually infallible form of identification Known as biometrics examples include fingerprints iris and retinal scans hand geometry and other measures of physical characteristics and personal traits Advances in computers and related technologies have made this a highly automated process through which recognition occurs almost instantaneously With concern about its information assurance systems and physical access control increasing the Army has undertaken an assessment of how it can use biometrics to improve security efficiency and convenience This report examines the sociocultural concerns that arise among soldiers civilian employees and the general public when the military mandates widespread use of biometrics The authors see no significant legal obstacles to Army use of biometrics but recommend that the Army go beyond the provisions of the Privacy Act of 1974 to allay concerns related to this emerging technology This report should be of interest to those responsible for access control as well as anyone concerned about privacy and technology issues

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