

ENDOSCOPE MANUAL CLEANING GUIDE

for EVIS X1, LUCERA, EXERA Gastro & Colonovideoscope

WARNING



This workflow is a summary of the manual cleaning steps necessary in reprocessing EVIS X1 Gastro and Colonovideoscopes. It does not include precleaning/leakage testing/ disinfecting/sterilizing steps. Follow the detailed steps instructed in the latest **ENDOSCOPE REPROCESSING MANUAL** for EVIS X1, LUCERA, EXERA Gastro & Colonovideoscopes.

Before **MANUAL CLEANING** of the endoscope, **PRECLEANING & LEAKAGE TESTING** should be conducted as described in the reprocessing manual.

Steps 1 to 10 are performed while the endoscope is completely submerged in Detergent or Water.



Immersion in freshly prepared detergent solution. Clean all external surfaces.



Brush the instrument and the suction channel.*



Brush the suction cylinder & the instrument channel port.**



Core the suction cylinder to aspirate detergent solution through the instrument/suction channel.



Flush the sheath channel with detergent solution.



Flush the auxiliary water channel with detergent solution. (only applicable to endoscopes with auxiliary water feeding)



Wipe off the proximal surface again.



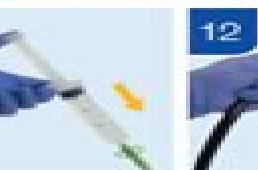
Soak in detergent solution for the time recommended by the detergent manufacturer.



While immersing in water, flush water through suction channel, Air channel and auxiliary water channel.



Flush air through suction channel, Air channel and auxiliary water channel.



Use clean lint-free cloths to dry the external surfaces of the endoscope.

KEY	
	Detergent Solution
	Water
	Air

- * The channel cleaning/brush part of the single use combination cleaning brush (GSS-45015).
- ** The channel-cleaning cleaning brush part of the single use combination cleaning brush (GSS-45015).

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Olympus Endoscope Manual

Jacques Van Dam



Olympus Endoscope Manual:

The SAGES Manual of Flexible Endoscopy Peter Nau, Eric M. Pauli, Bryan J. Sandler, Thadeus L. Trus, 2019-09-24 This book addresses all aspects of endoscopy from scope and tower basics to the more advanced interventional procedures like endoscopic retrograde cholangiopancreatography per oral esophageal myotomy and percutaneous endoscopic gastrostomy It covers a broad range of topics in order to remain relevant to the surgical subspecialist the community general surgeon the surgical fellow interested in endolumenal and transluminal procedures and the surgical resident interested in the very basics of endoscopy The table of contents is intentionally designed to mirror the Flexible Endoscopy curriculum currently being implemented for all minimally invasive advanced GI and surgical endoscopy fellowships The chapters are broken up into five parts The first part introduces the SAGES Masters Program followed by parts that cover flexible endoscopy basics flexible endoscopy procedures and finally bariatric flexible endoscopy Written by experts and thought leaders in their fields The SAGES Manual of Flexible Endoscopy serves as a valuable resource for surgeons of all training and skill levels to better grasp an overview of modern endoscopy practice

Manual of Clinical Microbiology Patrick R. Murray, Ellen Jo Baron, 2003 Includes information on infection detection and prevention and control diagnostic technologies bacteriology antibacterial antiviral antifungal and antiparasitic agents and susceptibility test methods virology mycology and parasitology

ERCP E-Book Todd H. Baron, Richard A. Kozarek, David Leslie Carr-Locke, 2018-01-19 Over the past 40 years ERCP has become an effective therapeutic modality with diagnostic purposes that are continually improved The 3rd Edition of this practical reference helps you make the most of today's endoscopic retrograde cholangiopancreatography in your practice You'll find authoritative highly illustrated guidance on every aspect of ERCP including coverage of the latest techniques Clearly depicts each step of ERCP procedures in dozens of step by step videos including Needle Knife Sphincterotomy Biliary Sphincterotomy Cannulation and Fistulotomy Provides clear guidelines on when and when not to perform ERCP Features superb full color images and a wealth of illustrative diagrams Includes new chapters that cover duodenoscope reprocessing endomicroscopy EUS guided endotherapy related to pancreatobiliary disorders and CT and MRCP related to pancreatobiliary disorders Contains updated information on radiofrequency ablation for cancer percutaneous vs endoscopic drainage scope cleaning practices and pancreatic necrosis Expert Consult™ eBook version included with purchase This enhanced eBook experience allows you to search all of the text figures and references from the book on a variety of devices

Handbook of Robotic and Image-Guided Surgery Mohammad Hossein Abedin Nasab, 2019-09-25 Handbook of Robotic and Image Guided Surgery provides state of the art systems and methods for robotic and computer assisted surgeries In this masterpiece contributions of 169 researchers from 19 countries have been gathered to provide 38 chapters This handbook is 744 pages includes 659 figures and 61 videos It also provides basic medical knowledge for engineers and basic engineering principles for surgeons A key strength of this text is the fusion of engineering radiology and surgical principles into one book A

thorough and in depth handbook on surgical robotics and image guided surgery which includes both fundamentals and advances in the field A comprehensive reference on robot assisted laparoscopic orthopedic and head and neck surgeries Chapters are contributed by worldwide experts from both engineering and surgical backgrounds **Operative Manual of Endoscopic Surgery** 2 A. Cuschieri, G. Buess, J. Perissat, 2013-11-11 The second volume of Operative Manual of Endoscopic Surgery covers some of the operative endoscopic procedures which have been introduced into clinical practice since the publication of Vol 1 In the general section we have included an updated chapter on instrumentation and new chapters on anaesthetic management of patients undergoing endoscopic surgery and on video image and recording Both topics are of importance to the practice of endoscopic surgery and have not been adequately covered in the reported literature Volume 2 deals with endoscopic procedures in the chest and abdomen There have been significant advances in thoracoscopic surgery during the past 2 years particular references made to anatomical pulmonary resections and oesophageal resections As far as the gastrointestinal tract is concerned we have included gastric and allied operations but have not covered the colorectal region as we believe that more evaluation is needed before definitive accounts can be written on endoscopic colorectal resections especially for cancer For this reason we have decided to defer this important topic to Vol 3 which is in preparation The same applies to laparoscopic repair of abdominal hernias The same layout has been adopted as in Vol 1 of the series with heavy emphasis on illustrative representation of the operative steps and techniques In the diagrams on sites of trocar cannulae we have indicated not only the site and size but also the functional role of each port Handbook of 3D Machine Vision Song Zhang, 2013-03-15 With the ongoing release of 3D movies and the emergence of 3D TVs 3D imaging technologies have penetrated our daily lives Yet choosing from the numerous 3D vision methods available can be frustrating for scientists and engineers especially without a comprehensive resource to consult Filling this gap Handbook of 3D Machine Vision Optical Metrology and Imaging gives an extensive in depth look at the most popular 3D imaging techniques It focuses on noninvasive noncontact optical methods optical metrology and imaging The handbook begins with the well studied method of stereo vision and explains how random speckle patterns or space time varying patterns substantially improve the results of stereo vision It then discusses stereo particle image velocimetry as a major experimental means in fluid dynamics the robust and easy to implement structured light technique for computer science applications digital holography for performing micro to nanoscale measurements and grating interferometry and fringe projection techniques for precisely measuring dynamically deformable natural objects The book goes on to describe techniques that do not require triangulation to recover a 3D shape including time of flight techniques and uniaxial 3D shape measurement as well as 3D measurement techniques that are not restricted to surface capture such as 3D ultrasound optical coherence tomography and 3D endoscopy The book also explores how novel 3D imaging techniques are being applied in the promising field of biometrics which may prove essential to security and public safety Written by key players in the field and inventors of important imaging technologies this authoritative state

of the art handbook helps you understand the core of 3D imaging technology and choose the proper 3D imaging technique for your needs For each technique the book provides its mathematical foundations summarizes its successful applications and discusses its limitations *Decontamination and Device Processing in Healthcare* Gerald E. McDonnell,Georgia

Alevizopoulou,2025-05-27 Prevent infections within healthcare spaces with safe and effective device decontamination and processing Prevention is the first line of defense against infection particularly in a world where microbial resistance to anti infectives like antibiotics is a growing threat Few aspects of managing a healthcare facility are more immediately important to patient care than the safe use of equipment and devices Although some devices are designed for single use many more are designed to be reused and there have been increasing reports of infections and other adverse patient reactions due to these devices in particular when regarding surgical and endoscopic procedures The decontamination or processing of various surfaces spaces and devices associated with patient care is a life saving discipline demanding dedicated resources and education Decontamination in Healthcare meets this demand as a comprehensive training and reference manual for the decontamination and processing of equipment and devices used in patient care environments This book is ideal for medical staff involved in the management of devices within healthcare facilities including those purchasing using and processing devices on patients and those responsible for their safety Now fully updated to reflect the latest international regulations standards and best practices this text is an invaluable tool for meeting the challenges of the modern medical facility Readers of the second edition of Decontamination in Healthcare will also find within the text Up to date information based off the current guidelines standards and regulations of Regulatory organizations include the US FDA EU MDR NMPA and other similar international organizations Standard organizations including ISO CEN AAMI BSI DIN and international professional organizations in device processing WFHSS HPSA CAMDR etc nursing AORN EORNA ESGENA infection prevention WHO CDC ECDC and more Detailed discussion of topics including surgical suite management infection prevention and control essentials of anatomy and microbiology safety endoscopy and outpatient areas quality management and many more Description of the steps in device processing ranging from equipment to surgical devices including cleaning disinfection and sterilization Information written to be of value to healthcare educators and administrators as well as clinical professionals Written by experienced professionals with a systematic grasp of key methods and their advantages Decontamination in Healthcare offers a wealth of information for every member of a clinical team **Clinical Gastrointestinal Endoscopy**

E-Book Vinay Chandrasekhara,B. Joseph Elmunzer,Mouen Khashab,V. Raman Muthusamy,2018-01-17 Now thoroughly up to date Clinical Gastrointestinal Endoscopy 3rd Edition by Drs Vinay Chandrasekhara Mouen Khashab B Joseph Elmunzer and V Raman Muthusamy ensures that you stay current with the latest technology and techniques in GI endoscopy An all new editorial team newly updated images and a reorganized format make this reference an easy to use source of reliable information on a full range of topics including anatomy pathophysiology and therapeutic management options in addition to

the latest GI procedures and technologies Offers state of the art coverage of bariatric surgery therapeutic EUS device assisted enteroscopy image guided therapy intramural endotherapy and much more Features 100 updated videos with author voiceovers as well as 1 000 revised photographs endoscopic images and anatomical drawings Provides a fresh perspective and expert guidance from an entirely new editorial team Includes many more references per chapter as well as further references online Presents material in a newly restructured organ based format for quick reference Expert Consult™ eBook version included with purchase This enhanced eBook experience allows you to search all of the text figures and references from the book on a variety of devices

Handbook of Venous and Lymphatic Disorders Peter Gloviczki, 2017-03-03 The Handbook of Venous Disorders first published in 1996 is a handbook for all clinicians and surgeons who are involved with the investigation evaluation or management of venous and lymphatic diseases or malformations These disorders include varicose veins venous ulcers DVT lymphedema and pulmonary embolism as well as damage to the veins through trauma or tumor growth The new edition has been completely updated to bring the book in line with current teaching practices

Practical Manual of Hysteroscopy Enlan Xia, 2022-08-30 This book aims to provide readers with the latest information on application of hysteroscopy in diagnosis and treatment of gynaecological diseases The first chapters systematically review current status equipment and instruments applied anatomy preoperative treatment and anesthesia for hysteroscopic surgery In the following chapters details in aspect of hysteroscopy from diagnostic to hysteroscopic surgery are explained with clinical cases After that advanced techniques in hysteroscopy combined with laparoscopy and ultrasound monitoring hysteroscopic surgery are introduced with high resolution illustrations Written by experts with wealthy experience in the field this book will be a valuable reference for gynecologists at hysteroscopy units reproductive units gynecological and oncological units

Manual of Hysteroscopy Harry van der Pas, Thierry Vancaillie, 1990 This book is intended for use as a manual to introduce the technique of hysteroscopy to the physician whether he she is still in training or already in practice Clinicians and researchers from all over the world have improved the techniques of hysteroscopy very much over the past few years with technical innovations in optics and ancillary equipment largely overcoming the early difficulties in performing hysteroscopy The introduction of intrauterine surgery and the many publications and lectures concerning hysteroscopy testify to its worldwide recognition today as a technique of growing importance and value The authors of this book Drs Van der Pas and Vancaillie are internationally recognized authorities in hysteroscopy

Handbook of Venous Disorders : Guidelines of the American Venous Forum Third Edition Peter Gloviczki, 2008-12-26 Now in its third edition the Handbook of Venous Disorders continues to provide comprehensive and up to date information on acute and chronic venous and lymphatic diseases and malformations and to discuss the latest knowledge on epidemiology pathophysiology clinical evaluation diagnostic imaging medical endovascular and surgical management This revised updated and expanded edition takes account of all the recent developments in these areas New chapters on for example foam sclerotherapy radiofrequency treatment laser treatment

and open surgical reconstructions are included as well as useful diagnostic and treatment algorithms for the various conditions that are dealt with in the book. Clinical guidelines are provided in each chapter together with evidence scores to help the reader assess the recommendations. The Handbook of Venous Disorders is written and edited by leaders and founding members of the American Venous Forum, a society dedicated to research, education and the clinical practice of venous and lymphatic diseases. The Handbook also includes several international authors, all of whom are experts in venous disease, most being regular or honorary members of the American Venous Forum.

Prevention of Healthcare Associated Infections Usha Krishnan Baveja, Yatin Mehta, 2021-01-31 The prevention and control of infection in healthcare environments is now more important than ever. From simple hand washing to full PPE, personal protective equipment, hygiene maintenance has never been more at the forefront of people's minds than during the Coronavirus COVID-19 outbreak. This book is a practical guide to the prevention and control of healthcare and laboratory associated infections. Divided into twelve sections, the text begins with an introduction to the basic science of infection and the use of antimicrobial agents. The following sections cover prevention and control of infection in different environments and situations including hospitals, laboratories, specific patient groups and high risk and procedure areas. Different infection transmission methods are discussed in depth. The book concludes with guidance on standards and sample protocols and training techniques. The comprehensive text is further enhanced by images and flow charts, and each chapter includes MCQs (multiple choice questions) to assist learning and revision. Key points: Comprehensive guide to prevention and control of infection in healthcare environments. Covers different environments, patient groups and infection transmission methods. Features images and flow charts to assist learning. Each chapter concludes with MCQs on the topic.

Manual of Microcolposcopy Thierry Vancaillie, 1988 This manual, the first book devoted solely to the technique of microcolposcopy, is intended to help the physician who wants to become acquainted with microcolposcopy and as a result of this emphasis has been placed on technique and basic diagnosis. The Manual of Microcolposcopy provides the reader with an extensive description of the technique involved. The technique is described in great detail together with inherent limitations, common difficulties and the best way to deal with them. A new nomenclature is proposed, allowing standardization of this method of early detection of cervical neoplasia. This book provides a nomenclature that is acceptable to cytologists as well as to clinicians.

Principles of Flexible Endoscopy for Surgeons Jeffrey M. Marks, Brian J. Dunkin, 2013-09-10 Written entirely by surgical endoscopists, Principles of Flexible Endoscopy for Surgeons presents a comprehensive overview of past, present and future flexible gastrointestinal endoscopic techniques, with a focus on educating surgeons who may or may not already have the skills to perform flexible endoscopy. In addition to the endoscopic management of surgical issues, the volume describes the role of surgery in the management of endoscopic complications. Basic as well as advanced flexible endoscopic techniques are presented in both a didactic and visual mode, with representative endoscopic images and video clips. Recent endoscopic

advancements which are not routinely a core component of surgical training programs are also covered in detail Extensively illustrated with endoscopic images and accompanied by a DVD Principles of Flexible Endoscopy for Surgeons is a valuable resource for surgeons on all facets of flexible endoscopy

Diagnostic and Therapeutic Procedures in Gastroenterology Subbaramiah Sridhar, George Y. Wu, 2018-02-01 This new edition provides a comprehensive overview of procedures for the gastrointestinal tract The volume describes the indications contraindications and precise method of a procedure under normal anatomical conditions and when the gastrointestinal tract is surgically altered In addition to revised chapters from the previous edition the latest edition features new chapters that cover such topics as endoscopic accessories cleaning and disinfecting gastrointestinal endoscopes tissue sampling removal of foreign bodies and confocal endoscopy and robotic endoscopy Each chapter is also accompanied by photographs diagrams tables and algorithms to precisely and easily display complex information Written by leading authorities from around the globe Diagnostic and Therapeutic Procedures in Gastroenterology An Illustrated Guide Second Edition is a valuable resource for gastroenterologists primary care physicians and gastroenterology fellows in training who treat and manage patients with gastrointestinal disorders

Endoscopy, 1995
Translational Bioinformatics and Its Application Dong-Qing Wei, Yilong Ma, William C.S. Cho, Qin Xu, Fengfeng Zhou, 2017-03-31 This book offers a detailed overview of translational bioinformatics together with real case applications Translational bioinformatics integrates the areas of basic bioinformatics clinical informatics statistical genetics and informatics in order to further our understanding of the molecular basis of diseases By analyzing voluminous amounts of molecular and clinical data it also provides clinical information which can then be applied Filling the gap between clinic research and informatics the book is a valuable resource for human geneticists clinicians health educators and policy makers as well as graduate students majoring in biology biostatistics and bioinformatics

Immunology Methods Manual: Immunodiagnosis of human B cell malignancies Ivan Lefkovits, 1997
Endoscopy in the Era of Antibiotic Resistant Bacteria, An Issue of Gastrointestinal Endoscopy Clinics Jacques Van Dam, 2020-09-15 Together with Consulting Editor Dr Charles Lightdale Dr Jacques Van Dam has put together the first ever monograph that tackles the challenges of infection prevention by endoscopists and interventional endoscopists Dr Van Dam has selected authors who have learned valuable lessons in hospitals where antibiotic resistant infections occurred as well as regulating bodies like the Food and Drug Administration FDA and the Centers for Disease Control and Prevention CDC who are trying to both resolve what happened and create as much as possible an evidenced based response in an effort to protect the public Articles are specifically devoted to the following topics Introduction to Transmission of Infection Potential Agents Transmitted by Endoscopy Genetic Mutation and Natural Selection of Resistant Bacteria How did We Get Here Nosocomial Infections A History of Hospital Acquired Infections Endoscope as Vector for Transmission Methods for Endoscope Reprocessing Novel Algorithms for Reprocessing Drying and Storing Quality Systems Approach for Endoscope Reprocessing You Don t Know What you Don t

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