

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 afferent 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.



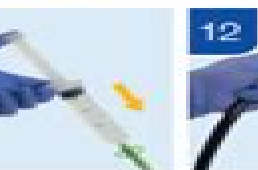
Soak in detergent solution for the time recommended by the detergent manufacturer.



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 Endoscopes Manual

Peter Gloviczki



Olympus Endoscopes 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

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

The Johns Hopkins Manual for GI Endoscopic Nurses Mouen Khashab, Toshunia Robinson, Anthony Kalloo, 2024-06-01 The Johns Hopkins Manual for GI Endoscopic Nurses Third Edition outlines nursing care before during and after endoscopic procedures Written with both the novice and experienced nurse in mind the Third Edition of The Johns

Hopkins Manual for GI Endoscopic Nurses provides practical tips for all basic and advanced endoscopic procedures Dr Anthony Kalloo is joined by Mouen Khashab and Toshunia Robinson on the Third Edition of this popular manual The Johns Hopkins Manual for GI Endoscopic Nurses features up to date guides to new endoscopic procedures and techniques such as fiducial placement balloon assisted enteroscopy Barrett s ablation Spyglass cholangioscopy and pancreatoscopy Additional chapters cover sedation antibiotic prophylaxis disinfection and the management of patients on anticoagulation medication General guidelines for moderate sedation equipment disinfection and sterilization are also discussed as well as special considerations for patients with specific medical conditions who are undergoing endoscopy Endoscopy nurses gastroenterology fellows and gastroenterology practitioners alike can use The Johns Hopkins Manual for GI Endoscopic Nurses Third Edition s endoscopic preparation regimens to facilitate the correct instruction of patients reducing the likelihood of unsuccessful procedures This spiral bound resource also includes the definitions and indications for both common and advanced endoscopic procedures along with listings of necessary equipment The Johns Hopkins Manual for GI Endoscopic Nurses Third Edition is easy to read and comprehend with photographs and illustrations replacing cumbersome long descriptions making this the ideal reference for a nurse on the go

Introduction to Bronchoscopy

Armin Ernst,Felix J. F. Herth,2017-09-07 A comprehensive and unique review of the bronchoscopy equipment and quality improvement fundamentals

Handbook of Robotic Surgery

Stênio de Cássio Zequi,Hongliang Ren,2024-10-02 Handbook of Robotic Surgery serves as a primer covering the main areas of knowledge in robotic surgery This comprehensive book provides essential information on all aspects related to robotic surgery from the present up to the future The discussion presented in sections ranges from the historical background of robotic surgery up to more recent and future technological innovations such as remote controls surgically distant collaboration simulators modern surgical robotics fluorescence guided surgery and virtual reality The book also contains sections dedicated to the safety conditions in surgery and patient protection which will be suitable for surgeons health professionals biomedical engineering professionals healthcare administrators and students There are specific chapters for all areas in which robotic surgery has been used in daily clinical practice or is under development Written by doctors engineers and nurses thus eliminating communication barriers and making it accessible for health and engineering professionals Provides initial literature offering a broad overview of all aspects of robotic surgery that will serve as a solid theoretical base for future developments in robotic subfields Analyzes cost effectiveness of robotic surgery discussing its use in developing countries ethics medical legal aspects education training mentorship leadership certification of professionals and credentialing of robotic centers Contributed to by key opinion leaders from several nations and continents taking into account different socioeconomic and cultural regional realities which can influence the widespread use of robotic surgery in the world

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

A Manual of Clinical Hysteroscopy R.F. Valle,1998-04-26 This is a practical up to date manual that it goes beyond other books on hysteroscopy by expertly answering the needs of office based gynecologists and registrars in training for clear informative illustrations many in colour with explanatory text to aid in the evaluation and treatment of the uterine cavity It represents the cumulative experience and career of its widely renowned author bringing to young physicians as well to accomplished practitioners the benefit of Dr Valle s practical and useful guidelines developed from over 25 years of clinical experience in this field The book contains 223 superb illustrations full colour as well as black and white that help the reader better understand the methods described in the text and that also show abnormal compared with normal presentations

Manual of Gastrointestinal Procedures ,2000 *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

Decontamination and Device Processing in Healthcare Gerald E. McDonnell,Georgia Alevizopoulou,2025-01-08 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 and Device Processing in Healthcare Second Edition 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 and Device Processing 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

Handbook of Capsule Endoscopy Zhaoshen Li,Zhuan Liao,Mark McAlindon,2014-07-30 Handbook of Capsule Endoscopy is a concise guide to the clinical diagnostic use of capsule endoscopy a non invasive imaging technology of the gastrointestinal tract This book is written by an international team with over 30 authors from 8 countries mainly China Britain Israel Italy Germany Korea

United Arab Emirates and the United States This book introduces nearly all aspects of capsule endoscopy including the six devices currently in use the set up procedures indications and contraindications its application in three organs special use in pediatrics safety issues and case presentations This book is an ideal reference work for physicians and surgeons who wish to utilize this helpful imaging technology Prof Zhaoshen Li and Associate Prof Zhuan Liao are doctors in Changhai Hospital the Second Military Medical University Shanghai China Mark McAlindon is a consultant gastroenterologist and the directorate of gastroenterology in Royal Hallamshire Hospital England the United Kingdom **Handbook of Digital Imaging** Michael

Kriss,2015-02-16 A comprehensive and practical analysis and overview of the imaging chain through acquisition processing and display The Handbook of Digital Imaging provides a coherent overview of the imaging science amalgam focusing on the capture storage and display of images The volumes are arranged thematically to provide a seamless analysis of the imaging chain from source image acquisition to destination image print display The coverage is planned to have a very practical orientation to provide a comprehensive source of information for practicing engineers designing and developing modern digital imaging systems The content will be drawn from all aspects of digital imaging including optics sensors quality control colour encoding and decoding compression projection and display Contains approximately 50 highly illustrated articles printed in full colour throughout Over 50 Contributors from Europe US and Asia from academia and industry The 3 volumes are organized thematically for enhanced usability Volume 1 Image Capture and Storage Volume 2 Image Display and Reproduction Hardcopy Technology Halftoning and Physical Evaluation Models for Halftone Reproduction Volume 3 Imaging System Applications Media Imaging Remote Imaging Medical and Forensic Imaging 3 Volumes www.handbookofdigitalimaging.com

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

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 Practical Manual of Operative Laparoscopy and Hysteroscopy Ricardo Azziz, Ana A. Murphy, 2012-12-06

The second edition of Practical Manual of Operative Laparoscopy and Hysterectoscopy continues in the ground breaking tradition of the first providing updated revised chapters on laparoscopic and hysteroscopic surgery for a wide variety of gynecologic procedures including ectopic pregnancies endometriosis office laparoscopy ovarian and parovarian tumours laparoscopic tubo ovarian and pelvic abscesses uterine myomas urogynecology tubal reanastomosis endometrial ablation trans cervical tubal cannulation and tuboplasty complications prevention and management Additionally fundamentals of lighting physics anatomy anesthesia photo documentation and instrumentation are provided Each chapter begins with an outline of the content for quick reference This concise user friendly textbook is a must have for both practicing gynecologists and residents in training **Health Devices** ,1994 **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 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 *Smith's Textbook of Endourology* Arthur D. Smith, 2007 Endourology is a dynamic subspecialty involving closed controlled manipulation within the genitourinary tract In the past decade the creative efforts of many urologists radiologists and engineers have vastly expanded endoscopic technique to the great benefit of patients with stones obstruction cancer diverticula cysts adrenal disease varices and diseases of the bladder This definitive text addresses every aspect of endourologic procedure including methods of access operative techniques complications and postoperative care The reader is taken step by step through cutaneous surgery ureteroscopy extracorporeal shock wave lithotripsy laparoscopy and lower urinary tract procedures The principles and function of state of the art endourologic instruments are outlined for each procedure The authorship reads like a Who's Who in endourology The breadth and depth of their experience is evident throughout the text

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