

# GUIDE VS DIAGNOSTIC CATHETERS

## GUIDE CATHETER

for interventions — thinner on the inside to accommodate equipment (i.e. wires, balloons + stents)

can connect to the manifold to measure pressures

can inject contrast into it

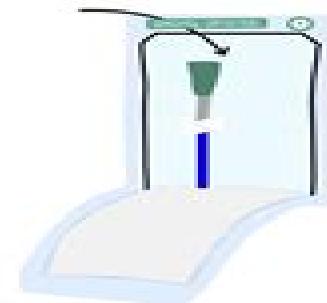
reinforced + braided shaft to ↑ support despite larger lumen

bcg it is thinner and has a larger inner diameter, more blood fills the catheter and backs back

## HOW TO OPEN AS A SCRUB

guide: bcg it is thinner it can kink, so we take the whole package

take me with you!



diagnostic: you can take the whole package, or just the catheter if you prefer



the sizing is in French sizes to align with sheath sizes but... the catheters are all typically a shade of blue

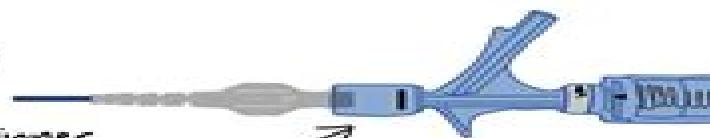
circulator: ✓ French size on the packaging  
scrub: ✓ the proximal end of the catheter/hub

## DIAGNOSTIC CATHETER

for diagnostic procedures only

can connect to the manifold to measure pressures

can inject contrast into it



to prevent that bloodback a hemostatic valve is used examples include: Thrombo Boxt, Watchdog + Copilot.

## the larger inner diameter explained

both of these are 4F



guide  
✓ thinner body  
✓ larger inner diameter  
✓ nears braiding support  
✓ can fit equipment inside

# Cardiac Cath Lab Manual

**Sandy Watson, Kenneth A . Gorski**

## **Cardiac Cath Lab Manual:**

**Congenital Heart Disease** P. Syamasundar Rao,2012-01-18 There are significant advances in the understanding of the molecular mechanisms of cardiac development and the etiology of congenital heart disease CHD However these have not yet evolved to such a degree so as to be useful in preventing CHD at this time Developments such as early detection of the neonates with serious heart disease and their rapid transport to tertiary care centers availability of highly sensitive noninvasive diagnostic tools advances in neonatal care and anesthesia progress in transcatheter interventional procedures and extension of complicated surgical procedures to the neonate and infant have advanced to such a degree that almost all congenital cardiac defects can be diagnosed and corrected Treatment of the majority of acyanotic and simpler cyanotic heart defects with currently available transcatheter and surgical techniques is feasible effective and safe The application of staged total cavo pulmonary connection Fontan has markedly improved the long term outlook of children who have one functioning ventricle This book I hope will serve as a rich source of information to the physician caring for infants children and adults with CHD which may help them provide optimal care for their patients

**Invasive Cardiology: A Manual for Cath Lab Personnel** Sandy Watson,Kenneth A . Gorski,2010-05-06 Cardiac Cath Laboratory Policy & Procedure Manual

McN,2008-01-01 Invasive Cardiology: A Manual for Cath Lab Personnel Sandy Watson,Kenneth A . Gorski,2010-05-06 written specifically by and for nurses and technicians Topics include ECG interpretation intracardiac pressure measurement radiography intracoronary Doppler intravascular ultrasound duties of technical staff angiography and cardiac catheterization PTCA stents atherectomy laser nursing care valvuloplasty and balloon pericardiotomy electrophysiology cardiac pacing endomyocardial biopsy foreign body retrieval pediatric interventional cardiology cardiac pharmacology and cath lab emergencies Publisher Introductory Guide to Cardiac Catheterization Arman T. Askari,Medhi H. Shishehbor,Adrian W. Messerli,Ronnier J. Aviles,2012-05-15 Updated for its Second Edition Introductory Guide to Cardiac Catheterization is an easy to follow how to guide to diagnostic and therapeutic cardiac catheterization This pocket sized concise manual presents practical pointers tips ACC AHA guidelines and highlighted clinical pearls and includes troubleshooting sections that provide solutions to frequently encountered problems Numerous illustrations demonstrate the complex procedures now being performed via the catheter This edition has a section on complications in each chapter a new chapter on peripheral angiography and a new question and answer review chapter Other highlights include new safety precautions and updates on novel closure devices

**The Cath Lab Visual Orientation Manual** Samantha Propper,2024-09-25 Introducing The Cath Lab Visual Orientation Manual the ultimate guide for cath lab staff both new hires and experienced personnel alike This comprehensive manual contains vivid and realistic images of procedural steps diagnostic and interventional equipment and is designed to be very visual easy to read and understand Whether you're a new hire with zero experience or an experienced staff member looking to quickly refresh your memory on a specific procedure The Cath Lab Visual Orientation Manual is the

perfect reference guide for you With its detailed step by step approach you ll be able to easily follow along and understand the intricacies of various cath lab procedures    **Invasive Cardiology** Sandy Watson,Kenneth A. Gorski,2005 The first and only book written specifically by and for nurses and technicians Topics include ECG interpretation intracardiac pressure measurement radiography intracoronary Doppler intravascular ultrasound duties of technical staff angiography and cardiac catheterization PTCA stents atherectomy laser nursing care valvuloplasty and balloon pericardiotomy electrophysiology cardiac pacing endomyocardial biopsy foreign body retrieval pediatric interventional cardiology cardiac pharmacology cath lab emergencies    *Invasive Cardiology: A Manual for Cath Lab Personnel with Navigate Advantage Access* Sandy Watson,Kenneth A . Gorski,2022-03-10 This book is written primarily for technical and nursing professionals training to work in catheterization laboratories It also serves as a reference manual for these professionals during their first few years in the lab

**Pocket Guide to Diagnostic Cardiac Catheterization** Andro G. Kacharava MD, PhD, Stephen D. Clements Jr. MD, A. Maziar Zafari MD, PhD,2015-11-04 The Pocket Guide to Diagnostic Cardiac Catheterization provides general cardiology fellows nurses and technicians entering the cardiac catheterization laboratory a practical guide addressing key aspects of left and right heart catheterization selective coronary angiography and the utilization of other invasive cardiology procedures for diagnostic purposes Written by a team of physicians from Emory University Hospital s Cardiac Catheterization Laboratories practical pearls of wisdom about the technical aspects of cardiac catheterization and other invasive cardiology procedures are presented with step by step instructions and easy to follow illustrations in this quick reference of essential material Also included is a chapter with video clips that highlight the role and technical versatility of the multipurpose catheter in cardiac catheterization a technique developed taught and learned over many generations in the cardiac catheterization laboratories at Emory University

**Practical Manual of Interventional Cardiology** Annapoorna Kini,Samin Sharma,Jagat Narula,2014-11-26 This practical handbook is based on an internal working manual developed by staff and fellows at Mount Sinai Heart Cardiovascular Catheterization Laboratory renowned for its high volume and low complication complex coronary procedures The Practical Handbook of Interventional Cardiology captures the knowledge and methodological know how from leaders in interventional cardiology it intends to guide users in a stepwise methodical and practical approach through various cardiac interventional procedures in order to achieve maximum patient safety and improved outcomes From patient selection preoperative work up setting up equipment to step by step illustrations of various procedural details and troubleshooting this handbook captures all the details necessary to perform the simplest to the most complex cardiac interventions The book is designed for cardiologists and trainees who desire an efficient way to review the steps of various cardiac interventional procedures and a quick reliable reference for everyday use

**The Interventional Cardiology World** Dario Buccheri,Bernardo Cortese,2020-10-13 The Interventional Cardiology World is a basic but exhaustive manual treating the most diffuse tools and techniques on coronary artery disease invasively managed represented by basic coronary angiography

the most recent functional studies namely fractional flow reserve FFR and instant Wave Free ratio iFR intravascular ultrasound analysis optical coherence tomography study but also the newer bioresorbable devices and drug coated balloons application seen by reknowned Experts on the matter **Invasive Cardiology: A Manual for Cath Lab Personnel with Navigate Advantage Access** Sandy Watson,Kenneth A . Gorski,2022-03-10 4 Stars from Doody's Book Review on the Third Edition It is excellent reading for students healthcare professionals considering the cath lab as an adventure as well as novice and expert cath lab professionals Completely revised and updated the fourth edition of Invasive Cardiology A Manual for Cath Lab Personnel is written specifically for nurses technologists and allied health personnel working in the catheterization laboratory Topics cover all aspects of the catheterization laboratory including cardiovascular anatomy radiography angiography technical duties of the staff right and left heart catheterization PCI invasive ultrasound valvuloplasty hemostasis pediatric interventions pharmacology emergency procedures and many others Every new print copy includes Navigate Advantage Access that unlocks a complete interactive eBook student practice activities learning analytics reporting tools and more Now focused on being a training and assessment resource rather than just a reference book the book is divided into parts for better pedagogical organization Stunning 4 color graphics depicting anatomy physiology and invasive cardiology devices and procedures Each chapter now includes learning objectives summaries relevant case studies and self assessment questions Updated to reflect the Society of Invasive Cardiovascular Professionals SICP 2015 Educational Guidelines for Invasive Cardiovascular Technology Personnel in the Cardiovascular Catheterization Laboratory Includes information on endovascular treatment of pulmonary embolism New eBook available with additional online case studies Printable step by step procedures 2023 625 pages *Congenital Heart Disease* Lisa Bergersen,Susan Foerster,Audrey C. Marshall,Jeffery Meadows,2008-11-01 This practical manual provides a comprehensive overview of how the cardiac catheterization laboratory in a pediatric cardiology division works Chapters are organized in the order in which a case progresses Hemodynamics is covered in depth **The Manual of Interventional Cardiology** Robert D. Safian,Mark Freed,2001 **Kern's Cardiac Catheterization Handbook - E-BOOK** Paul Sorajja,Michael J Lim,2025-05-23 Clearly written highly illustrated and designed for quick reference Kern's Cardiac Catheterization Handbook 8th Edition is the resource of choice for every member of the cardiac cath team Widely regarded as the bible of cardiac catheterization this portable accessible primer provides a straightforward practical explanation of the lab and its complex procedures for cardiac fellows residents nurses and all cath lab personnel Initial chapters assist the novice with descriptions of how procedures flow what steps to learn first and other essential information Later chapters are devoted to special techniques high risk procedures research techniques percutaneous coronary interventions and optimization of outcomes all with a focus on treatment protocols for every procedure Provides clear instructions on what to expect what to avoid and how to manage complications for every procedure you'll encounter including coverage of new techniques and technologies that affect

virtually all aspects of familiar procedures Covers all the newest catheterization techniques for vascular closure and expansion of large bore access procedures including TAVR ECMO mitraclip and TMVR Discusses key topics such as intracardiac echocardiography and intraprocedural imaging management of complications with algorithms that expedite the approach to these patients adjunctive hemodynamic support and maintaining quality in the laboratory Emphasizes indications and contraindications for procedures in the context of a multidisciplinary heart team approach Includes numerous clear illustrations and a newly expanded video library to enhance your understanding of the material Any additional digital ancillary content may publish up to 6 weeks following the publication date *The Interventional Cardiac Catheterization Handbook E-Book* Michael J Lim,Paul Sorajja,Morton J. Kern,2022-07-28 Current relevant and evidence based The Interventional Cardiac Catheterization Handbook 5th Edition offers clear guidance on interventional cardiology in an easy to understand concise format This must have handbook is an invaluable resource for physicians nurses and technicians in every cath lab offering quick access to easily accessible guidelines on procedures and patient care Packed with useful information hundreds of clear images and narrated videos from Dr Kern this practical manual ensures that health care workers at all levels have the tools they need to understand and perform these complex procedures Covers a wide range of coronary and peripheral vascular interventional procedures from the most common to the latest specialized interventions Incorporates the most up to date equipment with detailed step by step techniques cautionary notes and outcomes Includes recent procedures such as TAVR MitraClipTM atherectomy applications of new non hyperemic pressure ratios and approach to LV mechanical support Features an easy to read outline format bulleted summary boxes and quick reference tables making this complex subject accessible and understandable Employs a multidisciplinary heart team approach offering practical and authoritative guidance on the many nuances to these challenging procedures Includes dedicated chapters on catheters guide wires balloons and stents interventional pharmacology PCI and complications

**The Interventional Cardiology Training Manual** Aung Myat,Sarah Clarke,Nick Curzen,Stephan Windecker,Paul A. Gurbel,2018-08-01 This textbook is a readily accessible educational tool for all fellows undertaking subspecialty training in interventional cardiology while also serving as a refresher to early career interventional cardiologists The key objective is to equip the reader with an evidence based expert led resource focussed primarily on pre procedural planning peri procedural decision making and the salient technical aspects of performing safe and effective coronary intervention the intention being to support the therapeutic decision making process in the emergency room coronary care unit or cath lab in order to optimize patient outcome The Interventional Cardiology Training Manual provides readers with a step by step guide to the basic principles underpinning coronary intervention and facilitates rapid access to best practice from the experts presented in a pragmatic digestible and concise format Uniquely each chapter has been written in a heart center specific manner affording the reader an opportunity to learn how individual institutions perform a specific procedure which algorithms and guidelines they follow and what evidence they draw on to

instigate the best possible care for their patients     **The Manual of Operating Room Management** Cynthia Spry,1990  
Here is a thorough pragmatic hands on guide to developing cost effective and high quality OR policies and procedures  
Concise overviews spell out the need and purpose of every OR administrative and managerial task and down to earth  
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