1. Record Nr. UNINA9910462265403321

| | |
|---|---|
| Autore | Hafernik Johnnie Johnson |
| Titolo | Integrating multilingual students into college classrooms [[electronic resource] ] : practical advice for faculty / / Johnnie Johnson Hafernik and Fredel M. Wiant |
| Pubbl/distr/stampa | Bristol ; ; Buffalo, : Multilingual Matters, 2012 |
| ISBN | 1-84769-822-0<br>1-283-70492-7<br>1-84769-821-2 |
| Descrizione fisica | 1 online resource (182 p.) |
| Altri autori (Persone) | WiantFredel M |
| Disciplina | 428.0071/173 |
| Soggetti | English language - Study and teaching (Higher) - Foreign speakers<br>Academic language - Study and teaching<br>Multilingualism<br>Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Front matter -- Contents -- Acknowledgments -- Introduction -- 1. Our Students -- 2. Constructing Classrooms Where Students Can Succeed -- Introduction -- 3. Speaking -- 4. Listening -- 5. Reading -- 6. Writing -- 7. Working in Groups -- 8. Assessment -- Epilogue: Outside the Ivory Tower -- References -- Glossary -- Appendix: Sample Rubrics and Other Evaluation Tools -- Index |
| Sommario/riassunto | Today more and more ethnically, culturally, and linguistically diverse students enroll in our college and university courses. These diverse, multilingual students enrich our campuses and at the same time present challenges. Who are these students? What skills do these diverse students need to be successful in college? How can faculty help them succeed? For faculty in all disciplines seeking answers to these questions, this is an essential book. This text provides practical advice on how to assist these students with academic tasks and how to help them to succeed in the academy. |

2. Record Nr. UNINA9910523804503321

| | |
|---|---|
| Titolo | Hybrid cardiac imaging / / Stephan G. Nekolla, Christoph Rischpler, editors |
| Pubbl/distr/stampa | Cham, Switzerland : , : Springer, , [2022]<br>©2022 |
| ISBN | 3-030-83167-1 |
| Descrizione fisica | 1 online resource (305 pages) |
| Disciplina | 616.120754 |
| Soggetti | Heart - Imaging |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Intro -- Preface -- Contents -- Part I: Generic Aspects of Hybrid Imaging -- 1: Hybrid Imaging and Healthcare Economics -- 1.1 Hybrid Imaging in Stable CAD (SCAD): CTCA and MPI -- 1.2 Health-Economic Implications -- 1.3 Hybrid PET-MRI and Health-Economics Implications -- References -- 2: Industry Perspective on Hybrid Cardiac Imaging -- 2.1 Introduction -- 2.2 Ultra-Fast Cardiac Cameras Based on CZT Technology -- 2.3 Pinhole Imaging -- 2.4 Hybrid Imaging for Dedicated Cardiac SPECT Cameras -- References -- 3: Global and Regional Peculiarities: The IAEA Perspective -- 3.1 Introduction -- 3.2 Health Expenditures -- 3.3 The Challenge of Introducing Newer Technologies -- 3.4 Diagnostic Efficacy and Cost Effectiveness -- 3.5 Economic Evidence on the Use of Nuclear Cardiology -- 3.6 The Program in Human Health of the IAEA to Support Nuclear Medicine and Hybrid Imaging -- 3.7 Human Resources Capacity Building -- 3.8 The Growth of Hybrid Imaging in Developing World -- 3.9 Assessment of the Utilization of Hybrid Imaging Worldwide -- References -- Part II: SPECT/CT -- 4: Perfusion, Calcium Scoring, and CTA -- 4.1 Coronary Dominancy and Variations -- 4.2 Calcium Scoring and Assessment of Plaque and Stenosis -- 4.3 Myocardial CT Perfusion by Dynamic CTA -- 4.4 Hybrid Analysis and Image Fusion (SPECT or PET and CTA) -- 4.5 Future Direction and Visions -- References -- 5: Hybrid Imaging of the Autonomic Cardiac Nervous System -- 5.1 Introduction -- 5.2 Cardiac Sympathetic Nervous System Imaging -- 5.3 SPECT and PET |

Tracers -- 5.3.1 Presynaptic -- 5.3.2 Post-synaptic -- 5.4 Principles in Analysis, Quantification, and Software -- 5.5 Clinical Applications -- 5.5.1 ANS and Myocardial Ischemia and Infarction and Heart Failure (CMP)/Heart Transplantation -- 5.5.2 Long QT, Brugada, ARVD Detection.
5.5.3 Predicting Ventricular Arrhythmias and Sudden Cardiac Death with ANS Imaging -- 5.5.4 ANS and Cardiac Resynchronization -- 5.5.5 ANS and Cardiac Amyloidosis -- 5.5.6 ANS and DM -- 5.6 Conclusion and Future Perspectives -- 5.6.1 Potential Novel Tracers -- 5.6.2 Role of PET/MR -- 5.6.3 New Clinical Trial -- 5.6.4 Clinical Implementation -- 5.7 Conclusion -- References -- 6: Dyssynchrony -- 6.1 Assessment of Left Ventricular Dyssynchrony by SPECT -- 6.2 Dyssynchrony as a Guide for Cardiac Resynchronization Therapy -- 6.3 Dyssynchrony as a Guide for Implantable Cardioverter Defibrillator -- 6.4 Value of Dyssynchrony in Ischemic Heart Disease -- 6.5 Technical Considerations in the Assessment of Dyssynchrony by SPECT -- References -- 7: Novel Techniques: Solid-State Detectors, Dose Reduction (SPECT/CT) -- 7.1 Introduction -- 7.2 Technology -- 7.2.1 Solid-State Detectors -- 7.3 Dedicated Cardiac Systems -- 7.3.1 Detectors -- 7.3.2 Dedicated Cardiac Collimators and Geometries -- 7.4 SPECT/CT -- 7.5 Solid-State SPECT/CT Systems -- 7.6 Reconstruction Including Resolution Recovery and Anatomical Constraints -- 7.6.1 Performance -- 7.7 Impact on the Field -- 7.7.1 Current Clinical Use -- 7.8 Clinical Protocols -- 7.8.1 Two-Position Imaging: Upright/Supine or Supine/Prone -- 7.8.2 Low-Dose Protocols -- 7.9 Simultaneous Dual-Isotope MPI -- 7.10 Normal Perfusion Limits for Solid-State Cameras -- 7.10.1 Combined Quantification from Two Positions -- 7.11 Motion Correction on Solid-State Cameras -- 7.12 Potential Pitfalls -- 7.13 Emerging Clinical Techniques -- 7.13.1 SPECT Myocardial Blood Flow -- 7.13.2 Early EF -- 7.13.3 Large-Scale Clinical Validation -- 7.14 Future Hardware Designs -- 7.15 Summary -- References -- Part III: PET/CT -- 8: Myocardial Blood Flow Quantification with PET/CT: Applications.
8.1 Introduction -- 8.2 Coronary Circulation -- 8.3 Pre-clinical Experience/Validation Studies -- 8.4 Myocardial Blood Flow with PET: Reference Values -- 8.5 MBF and CFR in Ischemic Heart Disease -- 8.6 Relationship of CFR with FFR in Ischemic Heart Disease -- 8.7 Prognostic Value of Stress MBF and CFR for Risk Stratification -- 8.8 Summary -- References -- 9: Hybrid PET-CT Evaluation of Myocardial Viability -- 9.1 Background -- 9.2 Patterns of Viability by PET -- 9.3 Metabolic Considerations -- 9.4 Protocols for Assessment of Myocardial Viability by FDG -- 9.5 Diagnostic Accuracy of FDG Myocardial Viability Assessment -- 9.6 Prognostic Implications of FDG Myocardial Viability Assessment -- 9.7 FDG Myocardial Viability Assessment for Guiding Therapeutic Decision -- 9.8 Hybrid PET-Computed Tomography for Myocardial Viability Assessment -- 9.9 Conclusions -- References -- 10: Myocardial Inflammation: Focus on Cardiac Sarcoidosis -- 10.1 Introduction -- 10.2 Sarcoidosis Overview -- 10.2.1 Epidemiology and Demographics -- 10.2.2 Epidemiology and Demographics -- 10.2.3 Cardiac Sarcoidosis -- 10.3 Cardiac Sarcoidosis Diagnosis -- 10.3.1 Pathology -- 10.3.2 Imaging -- 10.4 Imaging Methods -- 10.4.1 Cardiac MRI -- 10.4.2 PET -- 10.4.3 Patient Preparation for FDG Myocardial Inflammation PET -- 10.4.4 Myocardial Inflammation PET Imaging Protocol -- 10.4.5 PET Image Interpretation -- 10.4.6 Pitfalls in FDG Image Interpretation -- 10.4.7 Hybrid Imaging -- 10.5 Role of Imaging -- 10.5.1 Cardiac Sarcoid Diagnosis -- 10.5.2 Prognosis -- 10.5.3 Response Assessment -- 10.6 Guidelines -- 10.7 Future Directions

for Myocardial Inflammation PET -- 10.8 Conclusions -- References -- 11: Novel SPECT and PET Tracers and Myocardial Imaging -- 11.1 Overview -- 11.2 Physiological Imaging -- 11.2.1 Myocardial Perfusion Imaging.
11.2.1.1 SPECT Perfusion Imaging -- 11.2.1.2 PET Perfusion Imaging -- 11.3 Targeted Molecular Imaging -- 11.3.1 Inflammation -- 11.3.1.1 SPECT Radiotracers -- 11.3.1.2 PET Radiotracers -- 11.3.2 Cell Death -- 11.3.2.1 Apoptosis Imaging -- 11.3.2.2 Cell Necrosis Imaging -- 11.4 Sympathetic and Parasympathetic Imaging -- 11.5 Sympathetic Imaging -- 11.5.1 SPECT Radiotracers -- 11.5.2 PET Radiotracers -- 11.6 Clinical Applications of SNS Imaging -- 11.7 Parasympathetic Imaging -- 11.7.1 Angiogenesis -- 11.7.1.1 v3 Integrin Targeted Imaging -- 11.7.1.2 Vascular Endothelial Growth Factor (VEGF) and Endothelial Cell Imaging -- 11.8 Imaging Fibrosis and Extracellular Matrix (ECM) -- 11.8.1 Clinical Applications -- 11.8.1.1 Imaging Somatostatin Receptor -- 11.8.1.2 Imaging Integrins -- 11.8.1.3 Imaging Collagen -- 11.8.1.4 Imaging of Extracellular Matrix Proteases -- 11.9 Monitoring Cell and Gene-Based Therapies with Novel Reporter Probe Imaging -- 11.9.1 Direct Labeling -- 11.9.2 Reporter Genes -- 11.10 Theranostics -- References -- Part IV: PET/MR -- 12: PET/MR: Perfusion and Viability -- 12.1 Introduction -- 12.2 Technical Specialities of PET/MRI Systems -- 12.3 Myocardial Perfusion Imaging -- 12.4 Myocardial Viability Imaging -- 12.5 Conclusion -- References -- 13: PET/MRI: "Inflammation" -- 13.1 Introduction: A Brief History of Hybridization -- 13.2 Challenges to PET/MRI -- 13.2.1 Technical Issues -- 13.2.1.1 Hardware Incompatibilities -- 13.2.1.2 Attenuation Correction -- 13.2.1.3 Motion Correction -- 13.2.1.4 Magnet Bore and FOV -- 13.2.1.5 Software Considerations -- 13.2.2 Patient/Workflow Issues -- 13.2.3 Personnel Issues -- 13.2.4 Cost -- 13.3 Advantages of PET/MRI -- 13.3.1 Compared to Separate PET and MRI -- 13.3.2 Compared to PET/CT -- 13.4 Applications of PET/MRI in Inflammatory Heart Disease.
13.4.1 Sarcoidosis -- 13.4.1.1 Background -- The Hybrid Approach -- 13.4.2 Myocarditis -- 13.4.3 Endocarditis -- 13.4.4 Atherosclerotic Plaque Risk Stratification -- 13.4.5 Preclinical Applications -- 13.5 Acquisition Protocol and Patient Preparation -- 13.5.1 Inflammation Protocol -- 13.6 Study Interpretation and Reporting -- 13.7 Future Directions -- References -- 14: Innovations in Cardiovascular MR and PET-MR Imaging -- 14.1 Introduction -- 14.2 Innovations in Cardiac MR: Quantitative Cardiac MRI -- 14.2.1 Cardiac T1 and T2 mapping -- 14.2.2 Cardiac MR Fingerprinting -- 14.2.3 Cardiovascular MRI Multitasking -- 14.3 Innovations in Cardiac MR: Towards Efficient 3D Whole-Heart Imaging -- 14.3.1 Dealing with Physiological Motion -- 14.3.2 Accelerating Data Acquisition -- 14.3.3 Coronary MR Imaging -- 14.3.4 Myocardial Viability MR Imaging -- 14.3.5 Multi-Contrast Whole-Heart MR Imaging -- 14.3.6 Whole-Heart Quantitative T1 and T2 Mapping -- 14.4 Innovations in Cardiac PET-MR Imaging -- 14.4.1 Motion-Compensated Cardiac PET-MR Imaging -- 14.4.1.1 Respiratory Motion Compensation -- 14.4.1.2 Cardiac Motion Compensation -- 14.4.1.3 Respiratory and Cardiac Motion Compensation -- 14.4.2 Novel PET Radiotracers for Clinical Cardiac PET-MR Applications -- 14.5 Concluding Remarks -- References.

3. Record Nr. UNINA9910157550403321

| | |
|---|---|
| Autore | Christensen Loren W. |
| Titolo | Defensive tactics : modern arrest and control techniques for today's police warrior / / by Loren W. Christensen |
| Pubbl/distr/stampa | Wolfeboro, New Hampshire : , : YMAA Publication Center, Inc., , [2016]<br>©2016 |
| ISBN | 9781594394874<br>1594394873 |
| Edizione | [2nd ed.] |
| Descrizione fisica | 1 online resource (386 pages) |
| Disciplina | 363.23 |
| Soggetti | Police training |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Includes index. |
| Nota di contenuto | Front Cover -- Back Cover -- Title Page -- Copyright Information -- Table of Contents -- Acknowledgements -- About the Author -- Introduction -- Author's Note -- Section 1: The Foundation: Nuts and Bolts -- Chapter 1: Thinking Ahead -- Adrenaline Response -- The Power Of Combat Breathing -- How to do it -- The Importance Of Visualizing -- Visualize the confrontation -- Chapter 2: The Value of Reps -- It's All About Reps -- Line Drill: Attack And Response -- Monkey Line Drill -- Chapter 3: The Elements of Balance -- The Tripod Concept -- The invisible third leg -- Be cognizant of your position -- Using the tripod to your advantage -- Kuzushi -- Handcuffing -- Mental Kuzushi -- Developing self-awareness -- Chapter 4: Crossing the Gap -- Moving into Range -- A potentially dangerous moment -- His body language -- Your stance -- Timing the move -- Where to move -- How to grab -- Chapter 5: Blocking -- Blocking and Shielding -- Shielding -- Chapter 6: Weight Training and Aerobics -- Fast-twitch muscle fibers -- Aerobic and anaerobic -- Section 2: Joint Manipulation and Leverage Control -- Chapter 7: Finger Techniques -- Elements of Applying Finger Techniques -- Applications -- Chapter 8: The Versatile Wristlock -- Elements of the Wristlock -- Standing Suspect -- Downed Suspect -- Wristlock takedowns -- When the suspect resists your grab -- Wristlock Pickups -- Elements of the Wrist Twist -- Applications -- Inverted Wrist Flex -- Elements of inverted wrist flex -- Applications -- |

Chapter 9: Wrist Crank -- Elements of the Wrist Crank -- Applications -- Handcuffing from the wrist crank position -- Chapter 10: Elbow Techniques -- Armbar -- Elements of the Armbar -- Applications -- Chapter 11: Shoulder Locks -- Elements of the Shoulder Lock -- The steps -- Applications -- Chapter 12: Bent-Arm Shoulder Torque -- Elements of the Bent-arm Shoulder Torque.
Applications -- As a Control Hold -- Chin pull -- Handcuffing Position -- Takedowns -- Section 3: Hitting -- Chapter 13: Hands -- Elements of Hand Striking -- When to hit -- Fist and Palm-heel Targets -- Applications -- Chapter 14: Forearm Slams -- Elements of the Outside Forearm -- Applications -- Elements of Inside Forearm Strike -- Applications -- Chapter 15: Elbow Strikes -- Elements of Elbow Striking -- Applications -- Chapter 16: Kicking -- Elements of Kicking -- Targets -- Applications -- Section 4: Vulnerable Points -- Chapter 17: Get the Point -- Elements of Pressing Vulnerable Points -- Applications -- Section 5: Head and Neck -- Chapter 18: Head Disorientation -- Defense/Offense -- Chapter 19: Carotid Constraint: Sleeper Holds -- Sleeper hold -- Choke hold -- Elements of Getting Behind the Suspect -- Elements of the Sleeper -- Applications -- Basic constriction when standing -- On the Ground -- Handcuffing -- Section 6: Ground Fighting -- Chapter 20: Ground Grappling -- The Learning Curve -- Three Types of Suspects -- Elements of Ground Fighting -- The mount -- Knee onto stomach and roll over -- North-south control -- Worst-case Scenarios -- The hip escape -- The Guard -- Rolls -- Simple sweep -- Chapter 21: Ground Kicking and Trapping -- Trapping -- Kicking -- Section 7: Baton -- Chapter 22: Body Mechanics -- Common errors -- Increase Your Hitting Impact -- Drawing -- Section 8: Arresting Big Guys -- Chapter 23: Facing a Big Suspect -- Does Size Matter? -- What about pepper spray? -- Mental preparation -- Preparation -- Some almost nevers -- Using your baton - targets -- A psychological ploy -- Section 9: Training and Fighting Concepts -- Chapter 24: Concepts -- Survival Concepts -- Training Concepts -- Fighting Concepts -- Concepts to take on patrol -- Index -- Books from YMAA -- DVDs from YMAA.

Sommario/riassunto

Whether you are a law enforcement officer seeking to improve your edge or a martial artist wanting to expand your knowledge of street-proven techniques, you will find Defensive Tactics: Street-Proven Arrest and Control Techniques is filled with invaluable information to prepare you for even the most difficult scenarios. Highlights include: * Joint manipulation that works * Leverage control vs. pain control * Striking with the hands, feet, forearms, and elbows * Safely and quickly crossing the gap * Blocking an assailant's strikes * Using vulnerable points to gain compliance * Head disorientation * Safe application of carotid constriction or "sleeper" holds * Controlling a suspect on the ground * Arresting big guys * Fighting concepts to take on patrol * Weapon retention in close quarters and on the ground Loren W. Christensen is a retired cop and high-ranking martial artist who survived everything the mean streets threw at him, working patrol, gang enforcement, and dignitary protection. Defensive Tactics goes beyond what is taught in the academy, during an officer's in-service training, and what is allowed by the administration. This book also includes a chapter on proven ways to control a suspect on the ground, written by LAPD officer Mark Mireles, an MMA coach, police academy trainer, and champion wrestler.