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Altri autori (Persone)	WestwoodJames D
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Nota di contenuto	Title Page; Preface; Surgery, Virtual Reality, and the Future; The Patient Comes First; NextMed/MMVR20 Proceedings Editors; NextMed/MMVR20 Organizing Committee; Contents; Pattern Cutting and Ligating Loop Simulation in Virtual Basic Laparoscopic Skill Trainer (VBLaST copyright); Reducing Clinical Trial Costs by Detecting and Measuring the Placebo Effect and Treatment Effect Using Brain Imaging; Effects on Performance of Individual Versus Dyadic Practice During an Avatar-Based Three-Dimensional Virtual Home Safety Simulation; VCath: A Tablet-Based Neurosurgery Training Tool Development and Validation of VBLaST-PT copyright: A Virtual Peg Transfer SimulatorA Modified Multilevel Scheme for Internal and External Constraints in Virtual Environments; Automated Human Avatar Synthesis for Obesity Control Using Low-Cost Depth Cameras; Requirements Analysis of a 5 Degree of Freedom Haptic Simulator for Orthopedic Trauma Surgery; Co-Located Haptic and 3D Graphic Interface for Medical Simulations; A Demonstration of the Storz C-CAM in Endoscopic Imagery Projection for Far Forward Battlefield Telemetric Support and Training Using the Intubating Laryngeal Tube in a Manikin - User Evaluation of a New Airway DeviceTowards Interactive Narrative Medicine; Learning Skill-Defining Latent Space in Video-Based Analysis of Surgical

Expertise - A Multi-Stream Fusion Approach; The Use of Web-Based Learning for Simulation-Based Education and Training of Central Venous Catheterization in Novice Learners; Objective Performance Measures Using Motion Sensors on an Endoscopic Tool for Evaluating Skills in Natural Orifice Translumenal Endoscopic Surgery (NOTES); Optimized Marker for Template-Guided Intraoral Surgery Use of Simulation to Understand the Effects of Task Complexity and Time Away on Clinical ConfidenceFace Validity of VIS-Ed: A Visualization Program for Teaching Medical Students and Residents the Biomechanics of Cervical Spine Trauma; The Use of Rotational Optical Encoders for Dial Sensing in the Virtual Translumenal Endoscopic Surgical Trainer (VTEST TM); The Development of a Haptic Interface for the Virtual Translumenal Endoscopic Surgical Trainer (VTEST TM); Microsoft Kinect Based Head Tracking for Life Size Collaborative Surgical Simulation Environments (LS-CollaSSLE) Design and Development of a Novel Thoracoscopic Tracheoesophageal Fistula Repair SimulatorUsing Simulation to Design Control Strategies for Robotic No-Scar Surgery; Examination of Muscle Effort and Fatigue During Virtual and Actual Laparoscopic Surgical Skills Practice; The Effect of Haptic Degrees of Freedom on Task Performance in Virtual Surgical Environments; Optimized Image-Based Soft Tissue Deformation Algorithms for Visualization of Haptic Needle Insertion; From Mobile Mental Health to Mobile Wellbeing: Opportunities and Challenges In Vivo Quantification of Clot Formation in Extracorporeal Circuits
