



Vascular Robotics: Webcast

MULTIMEDIA

MIGUEL A. QUIÑONES, MD

ALAN LUMSDEN, MD 

STUART CORR, PHD 

JACOB WATSON, MD 

TRISHA L. ROY, MD, PHD 

CHARUDATTA BAVARE, MD, MPH

M. ALI TAVALLAEI, PHD, PENG 

**Author affiliations can be found in the back matter of this article*



ABSTRACT

This 55-minute webcast features a conversation about “Vascular Robotics”—the focus of Issue 21.5. Led by the issue’s editors, the discussion engages the authors on emerging themes and lessons learned while researching and writing the articles. View the video at <https://vimeo.com/event/5556427>.

CORRESPONDING AUTHOR:

Miguel A. Quiñones, MD

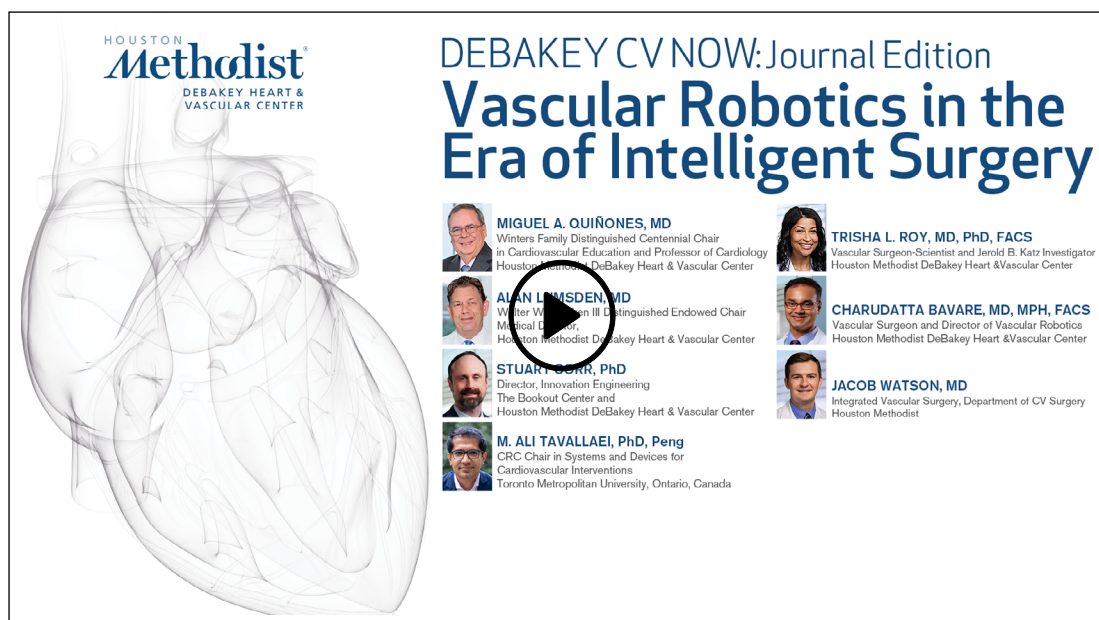
Houston Methodist DeBaKey
Heart & Vascular Center,
Houston, Texas, United States
mquinones@houstonmethodist.org

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Video 1 The editors and authors discuss details and explore overarching themes in Issue 21.5 on “Vascular Robotics.” View it at <https://vimeo.com/event/5556427>.

INTRODUCTION

This 55-minute webcast ([Video 1](#)) features the Journal’s editor-in-chief, Miguel Quiñones, MD, and the issue’s guest editors, Stuart Corr, PhD, and Alan Lumsden, MD, conversing with four of the authors on the emerging themes and lessons learned while exploring the article topics related to our issue on “Vascular Robotics in the Era of Intelligent Surgery.” The following list outlines the time stamps for viewing specific guests and topics.

WELCOME

Miguel Quiñones, MD, introduces topic (:23)
 Dr. Quiñones introduces guest editor Alan Lumsden, MD (1:00)
 Dr. Quiñones introduces Stuart Corr, PhD (1:18)
 Alan Lumsden discusses overview of topic (1:36)
 Stuart Corr discusses Bookout Center (5:45)

ALAN LUMSDEN BEGINS DISCUSSIONS WITH AUTHORS

From Data to Decision: A Comprehensive Review of Real-Time Analytics and Smart Technologies in the Surgical Suite

Dr. Lumsden introduces Jacob Watson, MD (7:28)
 Dr. Watson begins (7:58)
 Dr. Lumsden comments (9:50)
 Dr. Watson responds (14:01)
 Dr. Lumsden comments (15:50)

Innovations in MRI and AI Integration for Vascular Plaque Evaluation and Overview of Deep Learning Techniques in Peripheral Vascular Disease (17: 08)

Stuart Corr discusses study on surgical instrument tracking (17:12)
 Stuart Corr introduces Trisha L. Roy, MD, PhD (19:02)
 Trisha Roy begins (19:35)
 Stuart Corr comments (21:27)
 Trisha Roy responds (21:40)
 Dr. Quiñones comments (22:17)
 Trisha Roy responds (22:41)
 Dr. Quiñones comments (22:56)
 Stuart Corr comments (26:01)
 Trisha Roy responds (26:23)

Robotic-Assisted Vascular Surgery: A Clinical Perspective

Alan Lumsden introduces Charudatta Bavare, MD, MPH (27:27)
 Charudatta Bavare begins (27:53)
 Alan Lumsden comments (29:00)
 Charudatta Bavare comments (30:24)
 Dr. Quiñones comments (36:22)
 Alan Lumsden comments (36:25)

Robotic Systems in Cardiovascular Interventions: Evolving Platforms and the Path Forward

Stuart Corr introduces M. Ali Tavallaei, PhD, Peng (37:05)
 M. Ali Tavallaei begins (37:42)
 Stuart Corr comments (40:50)
 M. Ali Tavallaei comments (41:21)
 Stuart Corr comments (43:36)
 M. Ali Tavallaei comments (44:20)

Dr. Quiñones comments (45:40)
M. Ali Tavallaei comments (46:12)
Alan Lumsden comments (46:52)
Dr. Quiñones comments (49:31)

CONCLUSION

Dr. Quiñones asks about possibilities and challenges of this technology in the future (51:14)
Stuart Corr responds (51:23)
Alan Lumsden comments (53:20)
Dr. Quiñones wrap-up (54:59)

COMPETING INTERESTS

Dr. Lumsden conducts research on behalf of W. L. Gore & Associates; consults for Siemens, Boston Scientific, and W.L. Gore & Associates; and has an ownership interest in Hatch Medical, Egg Medical, and Brijjit. The other authors have no competing interests to declare.

AUTHOR AFFILIATIONS

Miguel A. Quiñones, MD

Houston Methodist DeBakey Heart & Vascular Center, Houston, Texas, United States

Alan Lumsden, MD  orcid.org/0009-0005-9620-5274

Houston Methodist DeBakey Heart & Vascular Center, Houston Methodist, Houston, Texas, United States

Stuart Corr, PhD  orcid.org/0000-0002-9865-5309

The Bookout Center, Houston Methodist Academic Institute, Houston, Texas, United States

Jacob Watson, MD  orcid.org/0009-0001-0706-6382

Houston Methodist Hospital, Houston, Texas, United States

Trisha L. Roy, MD, PhD  orcid.org/0000-0002-2180-1275

Houston Methodist DeBakey Heart & Vascular Center, Houston Methodist, Houston, Texas, United States

Charudatta Bavare, MD, MPH

Houston Methodist Hospital, Houston, Texas, United States

M. Ali Tavallaei, PhD, Peng  orcid.org/0000-0002-8057-8536

Department of Electrical, Computer, and Biomedical Engineering, Toronto Metropolitan University, Toronto, Ontario, Canada

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