

Supplementary Materials

Competency-Based Assessment of Robotic Surgery Skills - Phase 2 (CARS 2.0): A Global Survey Study with Blinded Video Review of Surgical Proficiency On Behalf of TROGSS - The Robotic Global Surgical Society

Aman Goyal^{1,2}, Abhirami Babu³, Susana Acosta⁴, Yeisson Rivero-Moreno^{5,6}, Christian A. Macias^{7,8,9}, Vanessa Pamela Salolin Vargas¹⁰, Jason Park¹¹, Elisa Rodriguez¹¹, Kimberly Ibarra¹¹, Michail Koutentakis^{12,13}, Clotilde Fuentes-Orozco¹⁴, Andrea Garcia¹⁴, Kathia Dayana Morfin Meza¹⁴, Alejandro González-Ojeda¹⁵, Luis Osvaldo Suárez-Carreón^{16,17}, Adel Abou-Mrad¹⁸, Luigi Marano^{19,20,21,22}, Rodolfo J. Oviedo^{11,23,24};
On Behalf of TROGSS, Collaborative Research Consortium

¹Department of General Surgery, Mahatma Gandhi Medical College and Research Institute, Puducherry 607402, India.

²Department of Surgery, Adesh Institute of Medical Sciences and Research, Bathinda 151109, India.

³College of Medicine, Our Lady of Fatima University, Valenzuela City 1440, Philippines.

⁴Department of Surgery, Universidad Central de Venezuela, Caracas 1020, Venezuela.

⁵Department of Surgery, Montefiore Medical Center, New York, NY 10467, USA.

⁶Department of Surgery, Universidad de Oriente, Núcleo Anzoátegui, Barcelona 6001, Venezuela.

⁷Health Science Department, Hillsborough College, Tampa, FL 33614, USA.

⁸School of Medicine, Universidad Catolica de Santiago de Guayaquil, Guayaquil 090101, Ecuador.

⁹Surgical Robotic Research Division, Center for Space Systems (C-SET), Lima 15001, Peru.

¹⁰Facultad de Medicina, Universidad Westhill, Ciudad de México 05610, México.

¹¹College of Osteopathic Medicine, Sam Houston State University, Conroe, TX 77304, USA.

¹²Doctoral School, Medical University of Warsaw, Warsaw 02-091, Poland.

¹³Department of Experimental and Clinical Pharmacology, Medical University of Warsaw, Center for Preclinical Research and Technology (CEPT), Warsaw 02-091, Poland.

¹⁴Unidad de Investigación Biomédica 02, Hospital de Especialidades, Centro Médico Nacional de Occidente, Guadalajara 44100, México.

¹⁵Facultad de Medicina, Universidad de Colima, Colima 28040, México.

¹⁶Department of Bariatric Surgery, UMAE Hospital de Especialidades del Centro Medico Nacional de Occidente, Guadalajara 44349, Mexico.

¹⁷Department of Surgery, Universidad de Guadalajara, Guadalajara 44340, Mexico.

¹⁸Department of Surgery, Centre Hospitalier Universitaire d'Orléans, Orléans 45000, France.

¹⁹Department of Medicine, Academy of Applied Medical and Social Sciences-AMiSNS (Akademia Medycznych I Społecznych Nauk Stosowanych), Elbląg 52-300, Poland.

²⁰Department of General Surgery and Surgical Oncology, "Saint Wojciech" Hospital, "Nicolaus Copernicus" Health Center, Gdańsk 80-000, Poland.

²¹Department of Surgery, Dnipro State Medical University, Dnipro 49044, Ukraine.

²²Department of Medicine, Surgery, and Neurosciences, University of Siena, Siena 53100, Italy.

²³Department of Surgery, Nacogdoches Medical Center, Nacogdoches, TX 75965, USA.

²⁴Department of Surgery, Tilman J. Fertitta Family College of Medicine, University of Houston, Houston, TX 77001, USA.

Correspondence to: Dr. Rodolfo J. Oviedo, Department of Surgery, Tilman J. Fertitta Family College of Medicine, University of Houston, Houston, TX 77001, USA. E-mail: roviedo3@central.uh.edu

Supplementary Video 1 link:

<https://www.dropbox.com/scl/fi/ekzqirfqwskl99ozt84zf/Surgery-Video-Exercise-Survey.mp4?rlkey=mmmx597lshtqkqb40pipoqij&st=h7wju34j&dl=0>

Supplementary Table 1. Number and percentages of primary socialty

Primary specialty		
	Frequency	Percentage
General surgery	84	26.3%
Colorectal surgery	5	1.6%
Bariatric surgery	2	0.6%
Cardiothoracic surgery	10	3.1%
Neurosurgery	36	11.3%
ENT surgery	2	0.6%
HPB surgery	3	1.3%
OBGYN	4	1.3%
Orthopedics	12	3.8%
General practitioner	1	0.3%
Plastic surgery	11	3.4%
Ophthalmology	1	0.3%
Oncosurgery	1	0.3%
Gynecology oncology	1	0.3%
Minimal access surgery	2	0.6%
Urology	8	2.5%
Consultation	2	0.6%
General + Colorectal surgery	6	1.9%

General + Bariatric surgery	5	1.6%
General + Upper GI surgery	2	0.6%
Cardiothoracic surgery + OBGYN	1	0.3%
HPB + Bariatric surgery	1	0.3%
Bariatric + GI surgery	1	0.3%
Plastics + GI surgery	1	0.3%
NA	117	36.6%