

AWARDS AND PRIZES

- Arora S. Surgical Education Research Fellowship, Awarded by Association of Surgical Education. 2010
- Arora S. World Health Organization Fellowship. 2009
- Arora S. Excellence in Research Award for surgical education, Annual Congress of Surgeons. 2009
- Arora S. Best Trainee Award, Society for Simulation in Healthcare. 2008
- Arora S. Best Multi-media Presentation award, Imperial Surgical Symposium. 2008

PEER-REVIEWED PAPERS

- Arora S, Aggarwal R, Sirimanna P, Moran A, Grantcharov T, Kneebone R, Sevdalis N, Darzi A. Mental practice enhances surgical technical skills: a randomised controlled study. *Annals of Surgery* 2011;253:265-70.
- Arora S, Aggarwal R, Moran A, Sirimanna P, Crochet P, Darzi A, Kneebone R, Sevdalis N. Mental practice: Effective stress management training for novice surgeons. *Journal of the American College of Surgeons* 2011;212:225-33.
- Arora S, Sevdalis N, Aggarwal R, Sirimanna P, Darzi A, Kneebone R. Stress impairs psychomotor performance in novice laparoscopic surgeons. *Surgical Endoscopy* 2010;24:2588-93.
- Arora S, Sevdalis N, Nestel D, Woloshynowych M, Darzi A, Kneebone RL. The impact of stress on surgical performance: A systematic review of the literature. *Surgery* 2010;147:318-330.
- Arora S, Tierney T, Sevdalis N, Aggarwal, Nestel D, Woloshynowych M, Darzi A, Kneebone RL. The Imperial Stress Assessment Tool (ISAT): A feasible, reliable and valid approach to measuring stress in the operating room. *World Journal of Surgery* 2010;34:1756-63.
- Arora S, Sevdalis N. Surgical flow disruptions: measurement and impact of stressful events in the operating room. *World Journal of Surgery* 2010;34:2247-8.
- Arora S, Hull L, Sevdalis N, Tierney T, Nestel D, Woloshynowych M, Darzi A, Kneebone RL. Factors compromising safety in the surgical environment: Stressful events in the operating room. *American Journal of Surgery* 2010;199:60-5.
- Arora S, Sevdalis N, Nestel D, Tierney T, Woloshynowych M, Kneebone R. Managing intra-operative stress: What do surgeons want from a crisis training programme? *American Journal of Surgery* 2009;197:537-43.
- Arora S, Aggarwal R, Sevdalis N, Sirimanna P, Kneebone RL, Moran A, Darzi A. Development and validation of mental practice as a training strategy for laparoscopic surgery. *Surgical Endoscopy* 2010;24:179-87.

- Arora S, Miskovic D, Hull L, Moorthy K, Aggarwal R, Johannsson H, Kneebone R, Darzi A, Sevdalis N. Self vs Expert Assessment of Technical and Non-technical performance in high fidelity simulation. *Am J Surg* 2010 (in press)
- Arora S, Sevdalis N. Critical comments on a critical analysis. *ANZ Journal of Surgery* 2011; in press
- Arora S, Sevdalis N. A systemic analysis of disruptions in the operating room: reply. *World Journal of Surgery* 2011; in press
- Arora S, Lamb B, Undre S, Kneebone R, Darzi A, Sevdalis N. Framework for the incorporation of simulation into urological training. *BJU International* 2011;in press
- Hull L, Arora S, Kassab E, Kneebone RL, Sevdalis N. Assessment of stress and teamwork in the operating room: an exploratory study. *American Journal of Surgery* 2011;201:24-30.
- Arora S, Ashrafian H, Davis R, Athanasiou T, Darzi, Sevdalis N. Emotional intelligence in medicine: A systematic review through the context of the ACGME competences. *Medical Education* 2010;44:749-64.
- Arora S, Sevdalis N. Systems approach to daily clinical care. *International Journal of Surgery* 2010;8:164-6.
- Kassab E, King D, Hull L, Arora S, Sevdalis N, Kneebone RL, Nestel D. Actor training for surgical team simulations. *Medical Teacher* 2010;32:256-8.
- Kneebone RL, Arora S, King D, Bello F, Sevdalis N, Kassab E, Aggarwal R, Darzi A, Nestel D. Distributed Simulation – accessible immersive training. *Medical Teacher* 2010;32:65-70.
- Arora S, Sevdalis N. Surgical performance under stress: Conceptual and methodological issues. In T Athanasiou, A Darzi, H Debas (eds) *Key topics in surgical research and methodology* (pp. 137-146; Ch. 12). Springer Verlag. 2010.
- Sevdalis N, Arora S, Undre S, Vincent CA. Surgical environment: an observational approach. In R Flin, L Mitchell (Eds.) *Safer Surgery: Analyzing Behaviour in the Operating Theatre* (pp. 405-422, Ch. 24). Ashgate. 2009.

TALKS AND PRESENTATIONS

International

- Arora S, Tierney T, Sevdalis N, Aggarwal R, Woloshynowych M, Nestel D, Darzi A, Kneebone R. The Imperial Stress Assessment Tool (ISAT): An evidence-based approach for measuring stress in surgery. Association of Surgeons of Great Britain and Ireland (ASGBI), May 2009 (oral)
- Arora S, Sevdalis N, Aggarwal R, Sirimanna P, Darzi A, Kneebone R. The effect of stress on psychomotor performance of laparoscopic novices. Association of Surgeons of Great Britain and Ireland (ASGBI), May 2009 (oral)

- Arora S, Sevdalis N, Kneebone R. Stress, safety and surgical performance. Association of Surgeons of Great Britain and Ireland (ASGBI), May 2009 (invited oral)
- Arora S, Aggarwal R, Sevdalis N, Sirimanna P, Moran A, Kneebone R, Darzi A. Mental Practice enhances surgical performance in novice laparoscopic surgeons – A randomized controlled study. Association of Surgical Education, Utah, April 2009 (oral)
- Arora S, Aggarwal R, Sevdalis N, Sirimanna P, Moran A, Kneebone R, Darzi A. Development and validation of mental practice as a training strategy for laparoscopic surgery. SAGES, Arizona, April 2009 (oral)
- Arora S, Sevdalis N, Aggarwal R, Sirimanna P, Darzi A, Kneebone R. Stress impairs psychomotor performance of laparoscopic novices on a surgical simulator. SAGES, 2009 (poster)
- Arora S, Latif S, Vadhvana, Sevdalis N, King D, Aggarwal R, Bello F, Nestel D, Kneebone R. Distributed Simulation: An innovative tool to enhance medical student education in the OR. International Meeting for Simulation in Healthcare (IMSH), Orlando, Jan 2009 (plenary – awarded best research prize)
- Arora S, Sevdalis N, Woloshynowych M, Nestel D, Kneebone R. A Training Needs Analysis to enhance patient safety; Crisis Training for surgeons. Human factors, Ergonomics & Patient Safety (HEPS), Strasbourg, June 2008 (oral)
- Arora S, Sevdalis N, Woloshynowych M, Nestel D, Kneebone R. Stress, Safety and Surgical Performance; Developing Advanced Simulation and Safety (based) Intra-Operative Stress Training (ASSIST). International Forum Quality and Safety, Paris, April 2008 (oral)
- Arora S, Sevdalis N, Woloshynowych M, Nestel D, Kneebone R. Enhancing Performance under Pressure: Designing a Stress Training Intervention. Association of Surgical Education (ASE), Toronto, April 2008 (poster)
- Arora S, Sevdalis N, Woloshynowych M, Nestel D, Kneebone R. Crisis management for surgeons: A Training needs analysis to enhance surgical performance and patient safety. Association of Surgeons of Great Britain and Ireland (ASGBI) April 2008 (oral)
- Arora S, Moorthy K, Sevdalis N, Adams S, Smith A, Vincent C. The making of a safe surgeon: development of a safety skills training programme. Association of Surgeons of Great Britain and Ireland (ASGBI) April 2008 (oral)
- Arora S, Tierney T, Sevdalis N, Woloshynowych M, Nestel D, Kneebone R. The impact of stress on surgical performance: a multi method comparison. Association of Surgeons of Great Britain and Ireland (ASGBI) April 2008 (oral)

NATIONAL

- Arora S, Tierney T, Sevdalis N, Woloshynowych M, Nestel D, Kneebone R. Development of a method for measuring intra-operative stress. ACPGBI, July 2008(invited oral)

- Arora S, Suliman I, Ng P. Integrating ISCP into surgical training – What makes a competent surgeon? Society of Academic and Research Surgery (SARS), Jan 2008 (poster)

REGIONAL

- Arora S, Aggarwal R, Sirimanna P, Sevdalis N, Moran A, Kneebone R, Darzi A. Mental Practice enhances surgical performance. Surgical Symposium, Imperial College Sept 2008 (oral)
- Arora S, Sevdalis N, Vincent C. Making patients safer. Surgical Symposium, Imperial College Sept 2008 (oral)
- Arora S, Sevdalis N, Woloshynowych M, Nestel D, Kneebone R. Enhancing Performance under Pressure: Designing a Stress Training Intervention, GSLSM summer symposium, Imperial College, 2008

WORKSHOPS

- Paige J, Arora S, Seymour N, Aggarwal R, Stefanidis D, Fernandez G. Putting the Meat into Team Training, Association of surgical education, Boston, March 2011
- Paige J, Arora S, Seymour N, Stefanidis D, Fernandez G. Team Training Workshop, IMSH, New Orleans, Jan 2011
- Arora S, Dieckmann P, Sevdalis N. Skills for Trainee Academics and Researchers in Simulation (STARS). International Meeting Simulation in Healthcare (IMSH), Phoenix, Jan 2010
- King D, Arora S, Sevdalis N, Nestel D, Bello F, Kneebone R: Distributed Simulation. International Meeting for Simulation in Healthcare (IMSH), Orlando, Jan 2009