

## Study in BMJ finds clinical registry enhances safety and outcomes in robotic surgery

- Article published in BMJ's "Surgery, Interventions & Health Technologies" publication finds that introducing a clinical registry alongside a surgical robot can improve safety and outcomes

**CAMBRIDGE, UK – 5 April 2023, 09:00 (GMT).** CMR Surgical (CMR) – the global surgical robotics business – welcomes the publication of a study in the British Medical Journal, which highlights the importance of establishing a clinical data registry for robotic surgery procedures.

The article, in BMJ's "Surgery, Interventions, & Health Technologies" publication analyses CMR's clinical registry of case data that was introduced alongside the Versius Surgical Robotic System in 2019.

The article states that: "Harnessing the power of large-scale, real world registry data for routine surveillance of device performance in live-human surgery from first use will enhance the safety and efficacy outcomes of innovative surgical techniques."

It goes on to highlight the importance of data capture within a registry "to drive the evolution of robot-assisted minimal access surgery while minimising risk to patients."

CMR established a clinical registry for Versius from the first case as part of its commitment to safety. It collects procedure data from multiple surgical specialties from hospital sites across four continents. The registry facilitates continual monitoring of key performance indicators, such as operating time, with the aim of improving patient safety through early intervention where required. For example, data may suggest that extra training is required on a specific section of a procedure.

Commenting on the article, **Mark Slack, Chief Medical Officer and Co-Founder of CMR Surgical and Co-Author of the BMJ article** said: "When we introduced Versius back in 2019, we knew how valuable it would be to have a clinical registry from that very first case. We knew it would provide real insight for CMR, for hospitals and for surgeons. And we knew it would help to make robotic surgery safer, improve surgeon skills and produce better outcomes for patients .

"I'm delighted we've now got thousands of cases within our registry, which allows us to gain real insight. And it's great to see the BMJ article published, making clear how important it is to have a registry alongside a surgical robot," he added.

**Joel Dunning, Throacic Surgeon, James Cook University Hospital, Middlesborough, Versius Preceptor and Co-Author of the BMJ article**, said: "Operating with a surgical robot, has many advantages over manual laparoscopy, but only by harnessing a digital ecosystem, including a data-rich clinical registry, can we start to get real insights into surgical procedures, improve our skills and produce better outcomes for our patients."



— ENDS —

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### Notes to editors:

#### The Versius® Surgical Robotic System

Versius® resets expectations of robotic surgery. Versius fits into virtually any operating room set-up and integrates seamlessly into existing workflows, increasing the likelihood of robotic minimal access surgery (MAS). The small, portable and modular design of Versius allows the surgeon to only use the number of arms needed for a given procedure.

Biomimicking the human arm, Versius gives surgeons the choice of optimised port placement alongside the dexterity and accuracy of small fully-wristed instruments. With 3D HD vision, easy-to-adopt instrument control and a choice of ergonomic working positions, the open surgeon console has the potential to reduce stress and fatigue and allows for clear communication with the surgical team. By thinking laparoscopically and operating robotically with Versius, patients, surgeons and healthcare professionals can all benefit from the value that robotic MAS brings.

But it's more than just a robot. Versius captures meaningful data with its wider digital ecosystem to support a surgeon's continuous learning. Through the Versius Connect app, Versius Trainer and CMR clinical registry, Versius unleashes a wealth of insights to ultimately improve surgical care.

#### About CMR Surgical Limited

CMR Surgical (CMR) is a global medical devices company dedicated to transforming surgery with Versius®, a next-generation surgical robot.

Headquartered in Cambridge, United Kingdom, CMR is committed to working with surgeons, surgical teams and hospital partners, to provide an optimal tool to make robotic minimal access surgery universally accessible and affordable. With Versius, we are on a mission to redefine the surgical robotics market with practical, innovative technology and data that can improve surgical care.

Founded in 2014, CMR Surgical is private limited company backed by an international shareholder base.

