We present this video with the objective of demonstrating a hysterectomy performed using the robotic single-site approach in juxtaposition with a robotic multiport hysterectomy. In the video, and briefly here, we review the benefits, disadvantages, and challenges of robotic single-site hysterectomy.

The advantages of single-site robotic hysterectomy include:
- possible improved aesthetics for the patient
- allowance for surgeon independence while minimizing the need for a bedside assistant
- automatic reassignment of the robotic arm controls
- circumvention of certain limitations seen in laparoscopic single-site procedures.

The disadvantages of single-site robotic hysterectomy include:
- instrumentation is nonwristed and less robust than that of multiport instrumentation
- decreased degrees of freedom
- longer suturing time
- restricted assistant port use
- decreased applicability to a wide range of procedures, as the surgical approach is limited to less complex and smaller pathology.

In general, each step of the single-port procedure has been found to be equivalent in time to a multiport approach to robotic-assisted hysterectomy—except for the step of vaginal cuff closure. Since the initial experience, aside from overcoming the learning curve of a new surgical approach, various techniques have been modified in order to surmount this challenge, such as closing the vaginal cuff vertically, using a cutting needle versus a tapered needle, addition of a “plus one” wristed multiport robotic arm, or replacing the single-site robotic needle driver with a multiport 5-mm needle driver.

Nevertheless, widespread adoption of single-site robotic gynecologic surgery still requires further technological improvements, and further research and experience is needed to determine its role, benefits, and applications in gynecologic surgery.

Dr. Truong reports no financial disclosures relevant to this article. Dr. Advincula reports being a consultant to Blue Endo, Cooper Surgical, Intuitive Surgical, and Surgiquest and receiving royalties from Cooper Surgical.