

D1	Robotic platform (tick one) ☐ da Vinci Xi ☐ da Vinci X ☐ da Vinci Si ☐ da Vinci 5 ☐ Versius ☐ Hugo RAS ☐ Senhance ☐ Moon ☐ KangDuo or KD-Surgibot ☐ Tourmai/Rebo ☐ Hinotori ☐ ROSA robotic system ☐ Sina surgical system ☐ Microport ☐ Sentire surgical system ☐ Mako robotic-arm assisted surgery system ☐ Ottava surgical system ☐ SSI Mantra ☐ Single-port system, please specify _____ ☐ Other, please specify _____
D2	If no robot had been available today, what would have been done for this patient? (tick one) ☐ Cancel this operation ☐ Open surgery ☐ Laparoscopic or other minimally invasive equivalent surgery
D3	Was team briefing completed, including plans for emergency undocking and system failure? (tick one) ☐ No ☐ Yes
D4	Lifetime number of robotic cases for the console surgeon (tick one) ☐ 0 ☐ 1-10 ☐ 11-25 ☐ 26-50 ☐ 51-100 ☐ Over 100
D5	Grade of the bedside assistant (tick one) ☐ Consultant or equivalent ☐ Doctor/surgeon with 3 or more years of experience ☐ Doctor/surgeon with 1-2 years of experience ☐ Non-physician
D6	Was a proctor present? (tick one) ☐ No ☐ Yes
D7	Was a dual console used? (tick one) ☐ No ☐ Yes - Trainee at second console ☐ Yes - Consultant at second console ☐ Yes - Proctor at second console
D8	Was telepresence (remote input) used? (tick one) ☐ Not available ☐ Available, but not used ☐ Used - Lead surgeon ☐ Used - Second surgeon ☐ Used - Proctor ☐ Used - Observer
D9	What was the docking time (from first incision to fully docked) in minutes? _____
D10	What was the console time (from docking to undocking the robot) in minutes? _____
D11	What was the time from skin to skin (incision to closure) in minutes? _____
D12	What was the overall theatre time (from patient being wheeled into theatre to being wheeled out of theatre) in minutes? _____
D13	What was your port configuration? (tick one) ☐ Robotic-specific layout ☐ Same as standard laparoscopic/thoracoscopic or equivalent ☐ Single-port ☐ Other, please specify _____
D14	Did you use a wristed stapler? (tick one) ☐ No ☐ Yes ☐ Unknown
D15	Primary energy source (tick one) ☐ Monopolar and bipolar ☐ Advanced bipolar ☐ Ultrasonic ☐ Combination, please specify _____ ☐ Unknown
D16	Was fluorescence imaging (e.g. ICG - indocyanine green) used? (tick one) ☐ No ☐ Yes - No change to procedure ☐ Yes - Led to a change in the procedure
D17	Did you experience failure of any of the following during the operation? (tick one) ☐ Instrument wrist or tool tip ☐ Cautery problem ☐ Shaft failure ☐ Cable failure ☐ Housing failure ☐ No failures
D18	Was there additional laparoscopic/thoracoscopic or equivalent assistance required beyond what was planned initially? (tick one) ☐ No ☐ Yes
D19	Only if: B 20 = Robotic assisted and B 21 = Open What was the reason for conversion? (tick one) ☐ Bleeding ☐ Poor exposure ☐ Equipment malfunction ☐ Progress too slow ☐ Oncological concerns ☐ Other, please specify _____
D20	How many other major cases are on the operating theatre list today? _____
D21	How many other minor cases are on the operating theatre list today? _____
D22	Compared with the approach you would have otherwise used (laparoscopic or equivalent or open), how did the robotic case affect your musculoskeletal comfort? (tick one) ☐ Much worse than alternative ☐ Worse than alternative ☐ No difference ☐ Better than alternative ☐ Much better than alternative ☐ Unable to answer
D23	Was there a trainee involved in the operative console in this case? (tick one) ☐ No ☐ Yes