

RCOG World Congress 2025

Nerve Preservation in Robotic Gynaecological Surgeries: Video

¹JHC Lim, ²C Pappa, ²M Alazzam, ¹G Mehra, ¹A Sayasneh

¹ Guy's and St Thomas' Hospital

² Oxford University Hospital



Guy's and St Thomas'
NHS Foundation Trust



Background

Nerve sparing surgeries in gynaecology commonly are applied in the treatment of deep endometriosis and radical hysterectomies Querlue-Morrow Type C1/ Piver III. The advancement in robotic surgery has made nerve preservation procedures less technically challenging for gynaecologists.

Objective

Cases of robotic nerve preserving surgeries at our centre were reviewed. We present interesting anatomy and surgical techniques involved.

Method

Patients requiring complex pelvic surgeries involving nerve sparing procedures were consented and recruited. Da Vinci robot with firefly imaging was used along with IndoCyanine Green dye as appropriate to aid the surgeries.

Results

These patients had successful preservation of their autonomic nerve fibres, avoidance of nerve injury and post-operative visceral dysfunction with no compromise to the therapeutic effectiveness against their disease.

Conclusion

This review emphasized the importance of expanding the gynaeoncologists' knowledge and surgical skills in complex intricate nerve preserving surgeries.

*Please refer to video attachment.