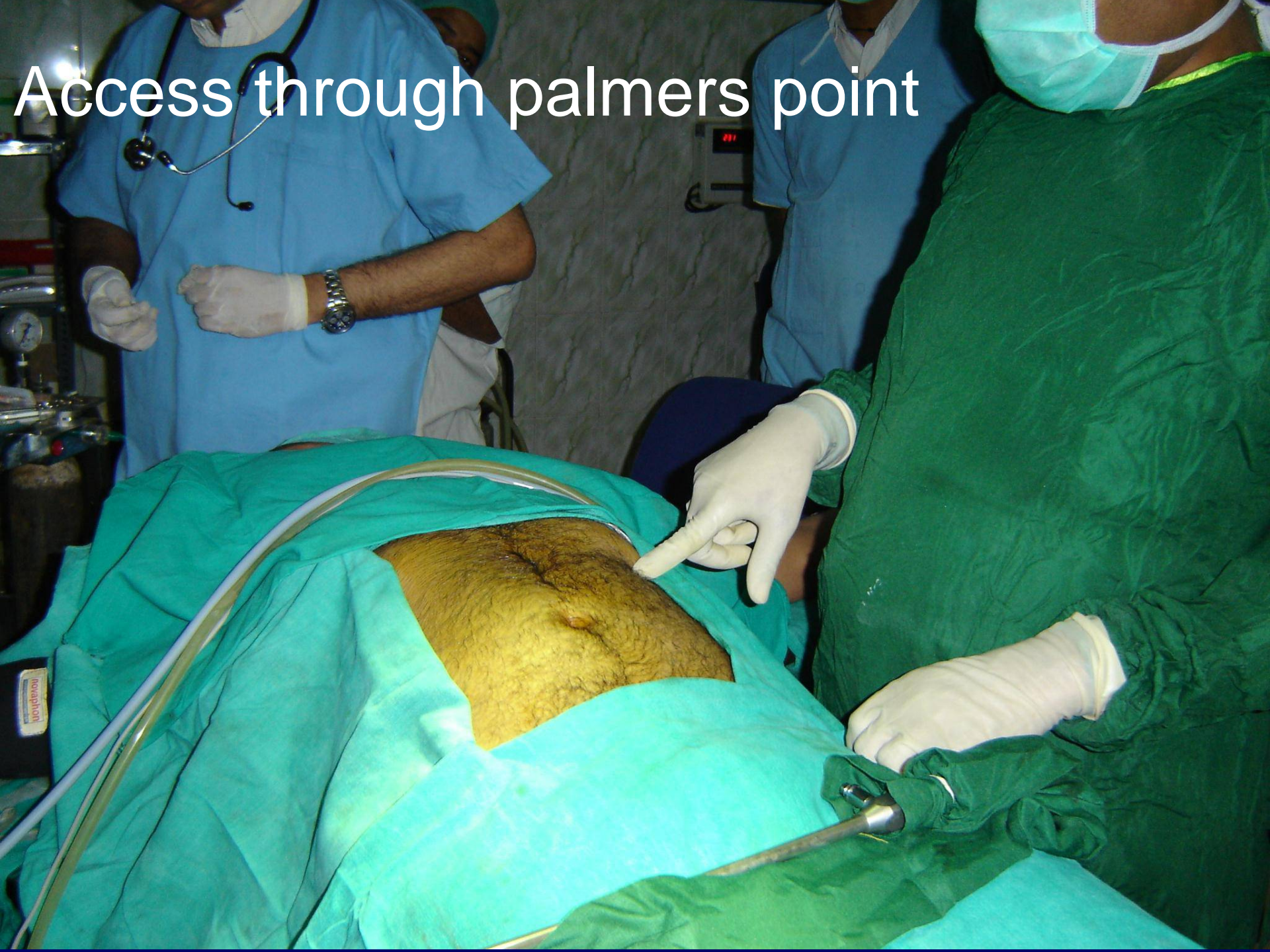



Laparoscopic repair of Ventral Hernia

R.K.Mishra



Access through palmer's point



One 2mm stab incision is given with 11 number knife through palmer's point



Subcutaneous fat is cleared up to rectus sheath



- Veress Needle is introduced carefully.
- Stomach should be deflated.
- Nasogastric tube is necessary.
- Splenomegaly is absolute contraindication.



Suction test, irrigation test and hanging drop test is performed to confirm correct entry



Insufflation should continue till quadromanometric indicators are satisfactory.



Trocar is introduced perpendicular to abdominal wall carefully to avoid injury of stomach and splenic flexor of colon



Telescope is introduced and any intra-abdominal adhesion is looked for



Working ports are placed according to Base-ball diamond concept



7 10:40AM

Three ports are generally required to perform laparoscopic ventral hernia repair



Ports are strictly according to baseball diamond concept



7 10:44AM

Proper size of either Prolene, vipro or any other newly available dual mesh is introduced. A central marking on the mesh is good practice to align it properly.



Operative Procedure



Video demonstrating laparoscopic repair of ventral hernia



Operative Procedure



Video of Laparoscopic repair of ventral hernia using prolene mesh



Two Port Repair of Hernia



Four stab wound at all the four corners of defect



Two Port Repair of Hernia



Two ports with 45 degree Azimuth angle



Two Port Repair of Hernia



Any intra abdominal adhesion can be removed using bipolar or harmonic scalpel



Two Port Repair of Hernia



Suture are tied at all the three corner of the mesh keeping enough free end.



Fourth corner of mesh is tied with suture introduced percutaneously.



Fourth corner of mesh is tied with suture introduced percutaneously.



The Mesh is spreaded nicely by giving proper traction at all the corners.



Two Port Repair of Hernia



The end of Mesh is tied outside and knot is slipped subcutaneously



Two Port Repair of Ventral Hernia

The end of Mesh is tied outside and knot is slipped subcutaneously



Stapler may be used if required through 10 mm port





Two Port Repair of Ventral Hernia



Video demonstrating two port ventral hernia





Complication

- ☐ Bowel Adhesion
- ☐ Fistulization
- ☐ Nerve Injury
- ☐ Vascular Injury





Thank You !



Prof. Mishra with Prof. Cuschieri at ninewells Hospital, U.K.

