

How I do Patella fracture Fixation

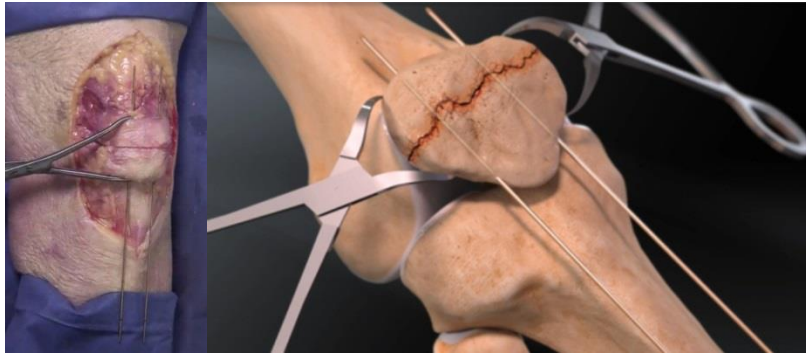
Transverse Fracture or Non Comminuted Fractures



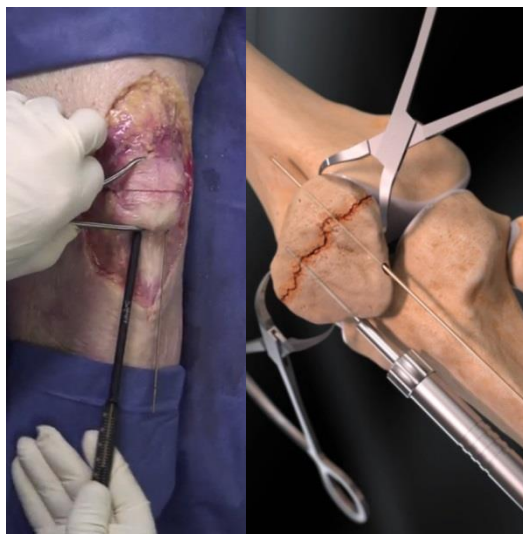
Need Fiber Tape and Suture Passer cannulated 4mm screw



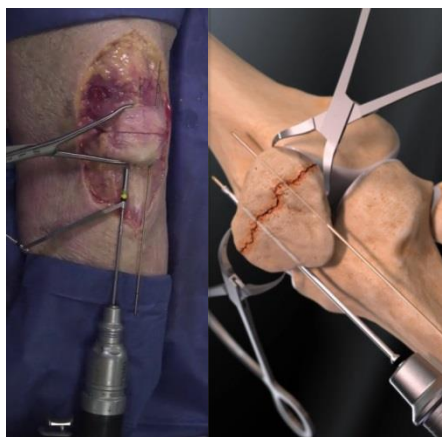
Reduce Fracture and Hold with Clamp



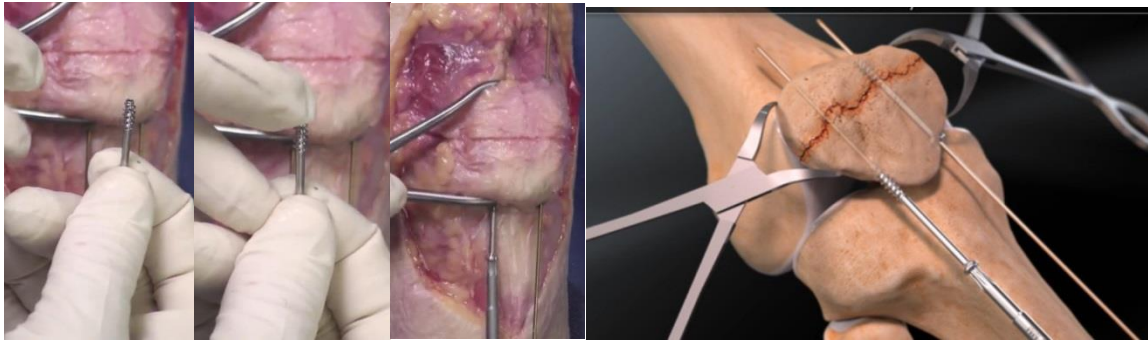
Pass 2 Wires to Hold It reduced



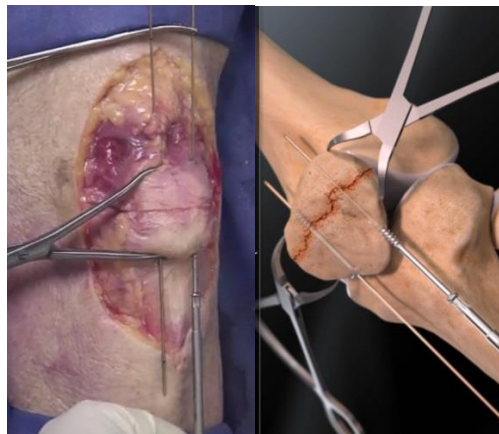
Measure the length of Screw



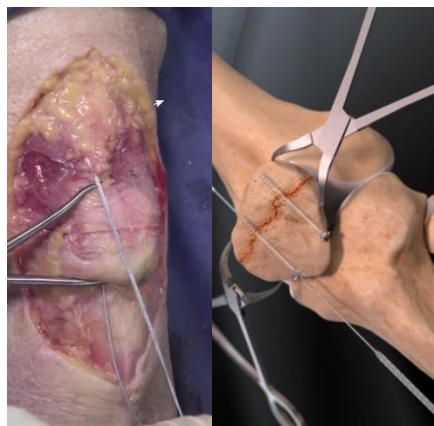
Over drill with 2.7mm to beyond screw to Pass Tape



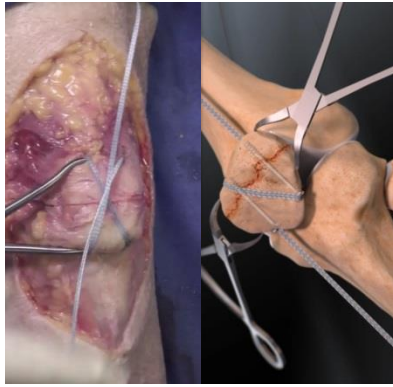
4mm blunt ended screw



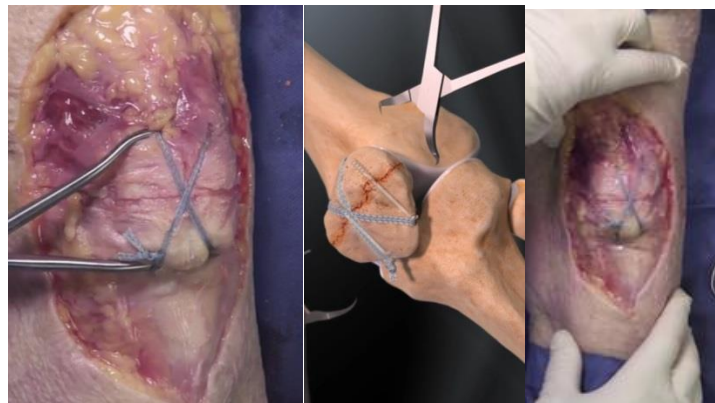
Pass Suture passer through screw



Pull Fiber tape through with eyelet of suture passer



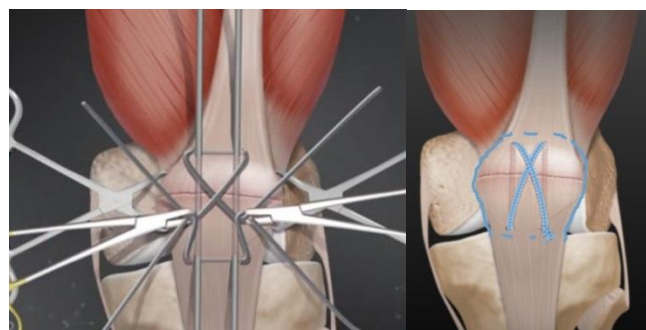
Make the Fiber Tape a figure of 8 configuration



Release the clamp and check function and Xray.



Final Position



In complex fracture and Revision I will add Box Suture

Some Examples

Primary Simple Fractures with No control of Extension.

Pre Op Proximal Pole Fracture



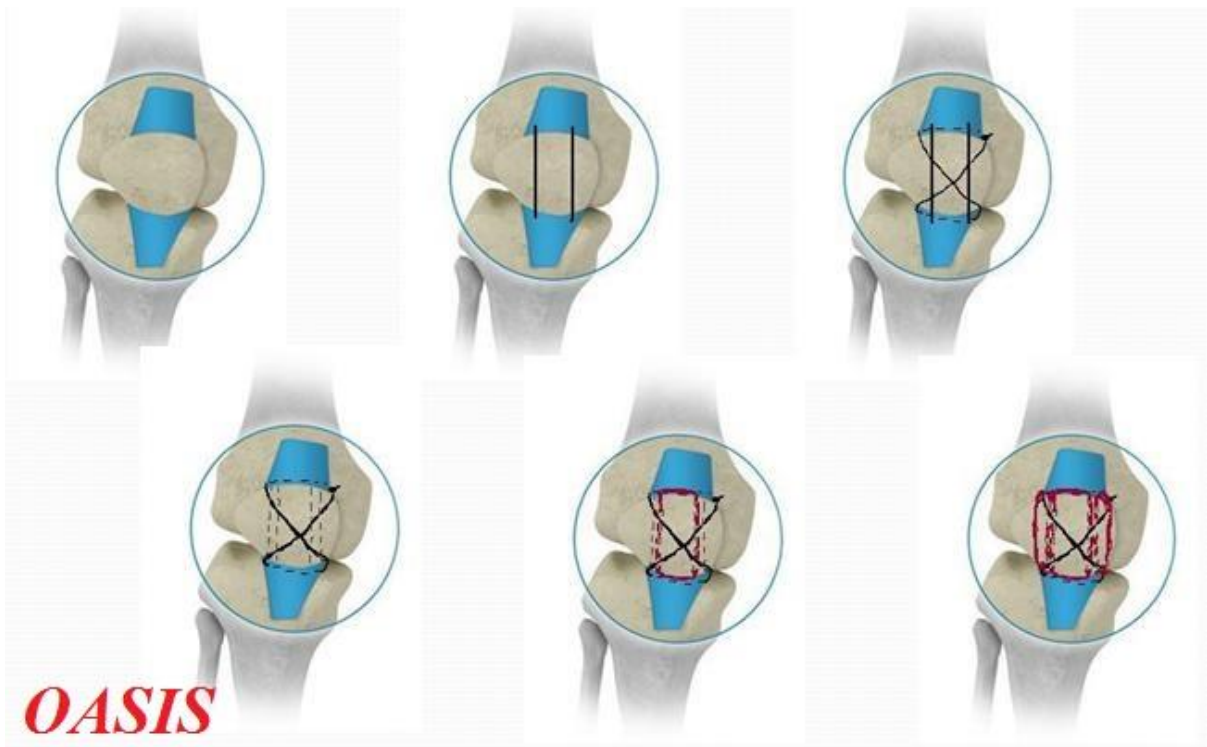
Insert screw to Fix Small Fragment to Large Fragment



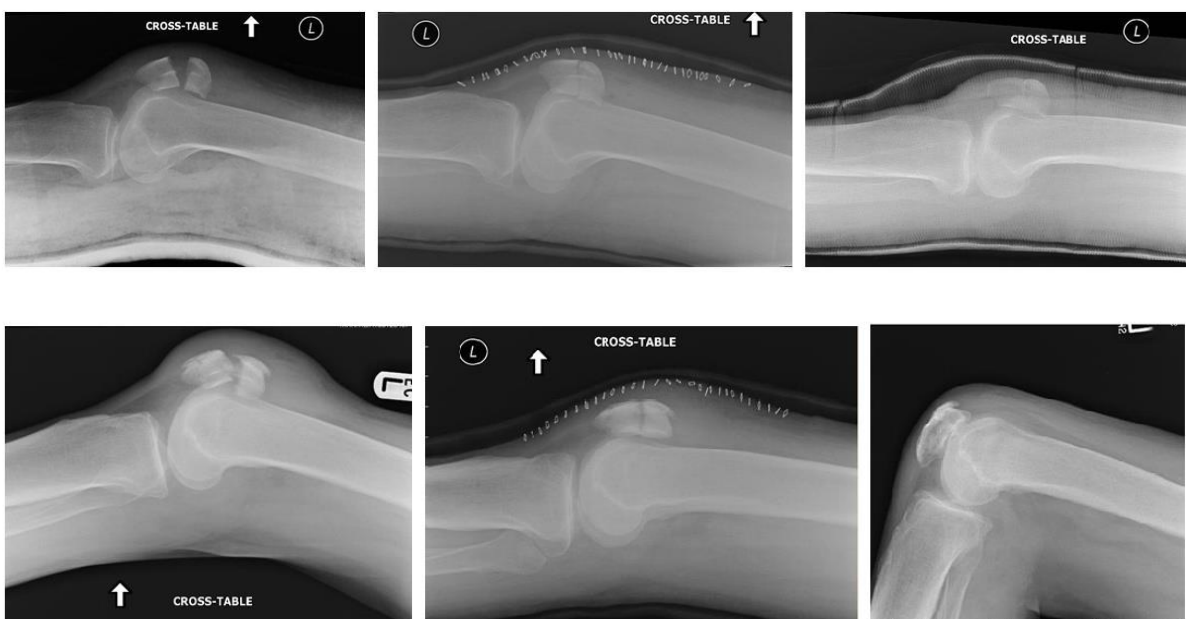
Followed by figure of eight Fiber tape.

Mobilise with no plaster full weight bearing

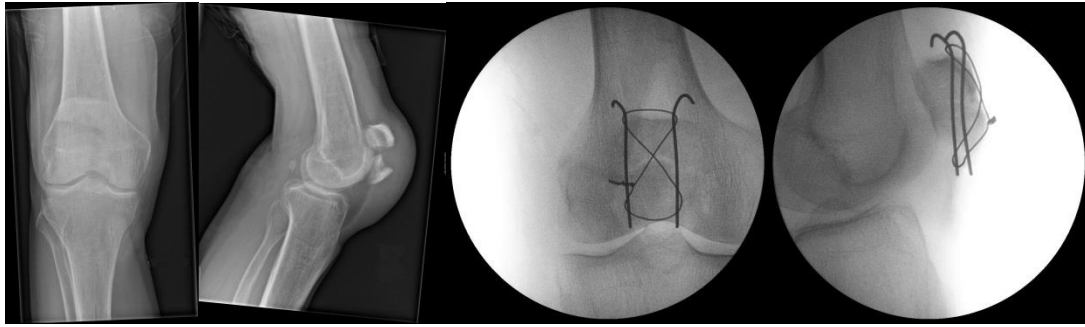
Simple Transverse fracture fixed with Fibrewire



Operative technique involves holding with 2 K wires then using Fibrewire to hold it with a figure of 8 configuration through tendon. The k wires are removed and the Fibrewire is passed in the k wire hole to tie a box suture. This is all augmented with a box suture for further stability



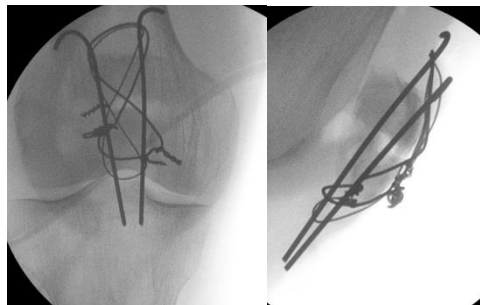
Revision Patella are more Complex cases



Good fixation Mobilised in cricket Pad Splint



Patient has Parkinsonism and displaced patella in 2 weeks



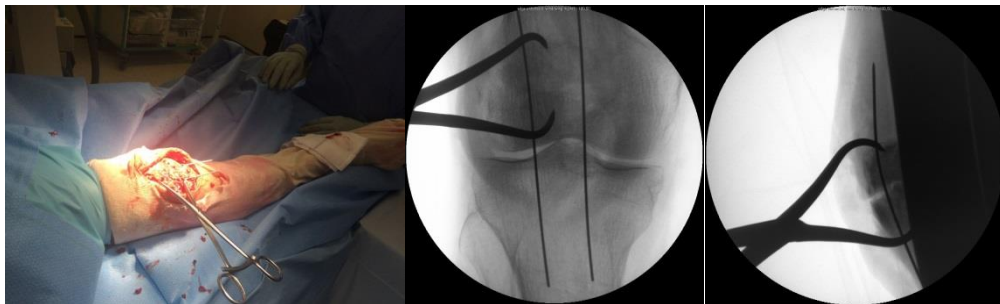
Fixed with Double wiring and put in plaster



Failed again in 2 weeks



Redo starting with debridement of fracture



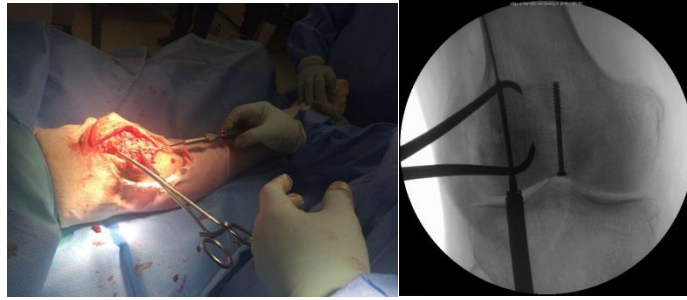
Held with clamp and wire difficult to get congruency



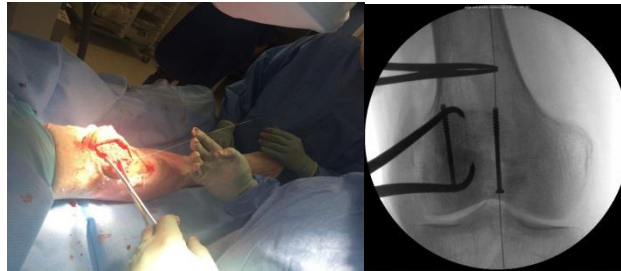
Measure screw size and overdrill with 2.7mm drill



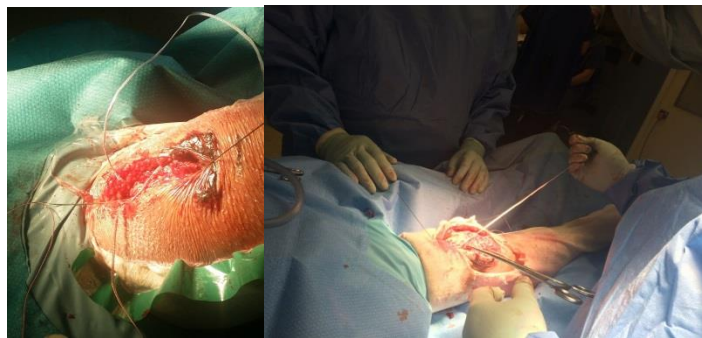
Insert 4 mm canulated screw



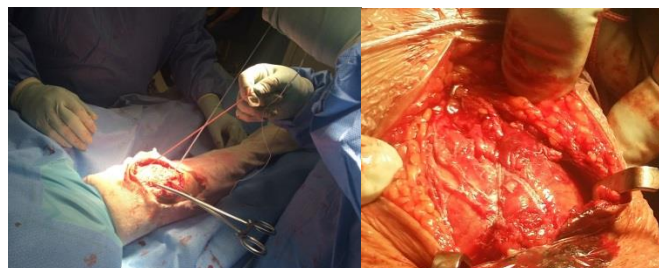
Insert the second screw



Pass the suture passer through the cannulated screw



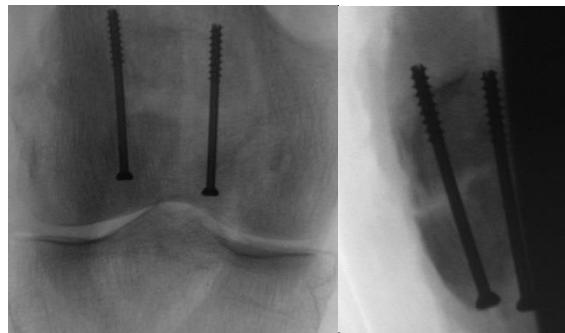
Pull the fiber tape through the screw




Apply a figure of 8 configuration to tape



I also applied a box suture for protection with fiberwire



Final Picture

Orthopaedic and Sports Injuries Services "OASIS" Munawar Shah FRCS, FRCS Tr & Orth Consultant Trauma & Orthopaedic Surgeon	
Little Aston Spire Hospital Little Aston Hall Dr Sutton Coldfield, B74 3UP 01215807406 01922656972 la.oasis@live.co.uk http://littleastonoasis.com	

If you are interested in making an appointment to discuss a treatment, please [click here](#) to contact us, or telephone 01215807406