

MIS SPINE SURGERY ON BLEEDING DISORDER PATIENT TREATED BY SPINE SURGEON



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Sub: Minimally Invasive Spine surgery (MIS) was performed on a congenital bleeding disorder lady Successfully.

47 years old lady from Erode had Road Traffic Accident (RTA) and she was admitted in Royal Care Super Speciality Hospital. She was found to have deficiency of clotting factors 1&7 which are essential for control of bleeding.

She had profuse blood loss due to a puncture wound (800 ML blood loss approximately) before reaching Royal Care Hospital.

There are 13 clotting Factors required to arrest bleeding. Usually there will be deficiency of only one clotting factor in a rare cases. But this lady had congenital deficiency of two factors 1 & 7, which is a rare phenomenon.

She had Normal delivery 20 years back in a renowned hospital in Coimbatore where she had massive blood loss.(Requiring almost 10 units of blood transfusion)

She was admitted with Fracture (Burst fracture L1) with compression on Nerves going to both legs. Normally any open Spine surgery has approximately 700ml blood loss for operation. But this patient has 5 times increased chance of blood loss due to the bleeding disorder. So she can bleed to death if operated.

To avoid this in Royal Care Hospital Dr.M. Sudhakaran, MIS (Minimally Invasive) Spine Surgeon had decided to do MIS Spine surgery (Percutaneous fracture fixation) for her. She had blood loss of approximately 20ml which is less significant. More importantly the patient required no blood transfusion for the entire procedure and post operative time. She was mobilised and allowed to walk within three days and went home happily. Till date there is no published record world wide on any spine surgeries done for such patient and this is a successful surgery done for the first time.

