

## Miss-A-Nail Technique It Is Easier Said Than Done

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### INTRODUCTION:

Intramedullary nailing is considered the gold standard in the surgical treatment of diaphyseal femur fracture which providing effective outcome in terms of stability and better rehabilitation. Targon nail is one of the option for fixation of diaphyseal femur fracture. It is a classic implant with straight nail and uses piriformis fossa entry point during the surgical approach. However, there is a risk of iatrogenic neck of femur fracture as a common complication that needs to be addressed. Here, we report a case of piriformis fossa entry targon nail complicated with iatrogenic femoral neck fracture, and our management.

### REPORT:

A 37-year old male with no known medical illness involved in an alleged motor-vehicle accident. Post trauma patient was diagnosed with close comminuted fracture midshaft right femur. Fracture was fixed with a targon nail and complicated with an iatrogenic neck of femur fracture. From the literature, there are few methods to manage this iatrogenic femoral neck fracture and Miss-A-Nail Technique is one of them.

### DISCUSSION:

Intraoperative difficulties in using this technique include the small window through which the screw can be passed over the preexisting targon nail, making fixation of femoral neck difficult. The 1st screw was inserted at inferior part of the femoral neck, which is relatively easier. A 2nd screw should be inserted slightly proximal and parallel to the 1st screw to achieve better compression and rotational stability.



**Figure 1: AP and Lateral view right hip post targon nail complicated with neck of femur fracture.**



**Figure 2: AP view right hip post screw fixation of neck of femur.**

However the area left was very limited to insert the 2<sup>nd</sup> screw. Multiple attempts were made and failed. Therefore, we decided to insert a horizontal screw at the superior part of the neck to achieve rotational stability. Postoperatively, patient well and advised for strict non-weight bearing ambulation.

### CONCLUSION:

Miss-A-Nail technique in pre-existing targon nail is a challenging procedure. It requires precision and proper preoperative planning to ensure a successful outcome.

### REFERENCES:

1. Kow RY et al. Malaysian Orthopedic Journal 2020 Vol 14