

## PP-057

### Is preoperative use of danazol effective in decreasing bleeding during PCNL

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**Propose:** Danazol, an attenuated androgen, has been found useful in the treatment of several hematologic disorders including ITP (idiopathic thrombocytopenia purpura), AIHA (autoimmune hemolytic anemia). Although its mechanism of action is unknown but danazol affects cell membranes directly and significant decrease in RBC osmotic fragility was observed. We reviewed the outcomes of patients used Danazol preoperatively underwent PCNL.

**Materials and Methods:** We prescribed Danazol (200mg capsule) each 12 hours from 10 days before operation. 25 patients took danazol completely. After insertion of ureteric catheter, in prone position, after injection of contrast retrogradely, Bull's eye method with fluroscopic control was used. After one-shot dilation a 28 fr Amplatz sheath was placed and procedure was done. Also we had control group with similar stone location and same method of operation. We checked intraoperative bleeding and postoperative hemoglobin (Hb) in Post operative day (POD2).

**Results:** Mean blood loss was 160 ml in danazol group and 350 ml in control group. Mean Hb drop was 1.6 g/dl in danazol group and 2.8 g/dl in control in POD2. Only one patient in control group needed blood transfusion. All patients in both groups were discharged home tubeless in good condition on POD2.

**Conclusion:** Preoperative use of Danazol seems to be effective in control of bleeding specially in high-risk patients (Such as hematologic disorders, patients on anticoagulant...), although more studies need.

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