

THE OR NURSE IN ENDOUROLOGY: ADVANTAGES OF MINIMALLY INVASIVE SURGERY



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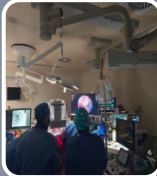
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Key Take-Home Messages

- The OR nurse is essential to the safety and success of PCNL.
- A structured intraoperative nursing protocol maximizes the benefits of minimally invasive endourology.
- Standardized OR set-up and patient preparation reduce variability, complications and delays.
- Investing in specialized training for OR nurses improves outcomes and supports high-quality endourological care.

*“Minimally invasive endourology:
smaller wounds, safer patients, stronger
nursing impact.”*

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Clinical Problem & OR Set-Up

- Renal stones → PCNL as key minimally invasive option.
- Less pain, shorter stay, faster recovery vs. open surgery.
- High-tech procedure → OR nurse is critical.
- OR set-up: tower, ultrasound, C-arm, laser, instruments ready.



Patient Safety & Intraoperative Care

- Check patient, side, consent, tests and antibiotics.
- Assist anesthesia, skin prep and modified Valdivia position.
- Maintain asepsis, monitor vitals, fluids and bleeding.
- Apply radiation safety; secure drains/catheters at the end.



Outcomes & Nursing Impact

- Faster, more efficient OR workflow.
- Fewer equipment-related delays and safety issues.
- Safer minimally invasive endourological procedures.
- OR nurse + protocol → better outcomes and quality of care.

