

Dubai/Saeedi Approach for Enhanced Stone Clearance: A Novel Combined Ureteroscopy and PCNL Technique

Introduction

The Dubai/Saeedi Approach is a novel technique integrating PCNL with flexible URS:

- Parallel triangulation aligns renal & ureteral access, preventing fragment migration.
- Fr sheath + 19 Fr mini-nephroscope create a vacuum-like washout effect.
- Supine position leverages gravity for spontaneous fragment evacuation.
- Minimizes irrigation pressure, shortens operative time and enhances safety.
- This innovative approach improves efficiency and stone-free outcomes compared to standard PCNL.

Aim

To evaluate outcomes of the Saeedi Approach (PCNL + URS with parallel triangulation) in 90 patients.

Methods

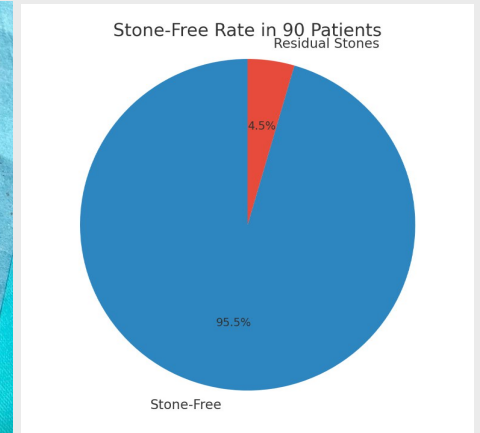
- Retrospective study, 90 patients (2021–2024).
- Supine position, gravity-assisted evacuation.
- 24 Fr sheath + 19 Fr mini nephroscope.
- Flexible URS to prevent migration.
- Parallel triangulation for optimal clearance.

Results

- Stone-free rate: 95.5% (86/90), 95% CI 89.0–98.8%.
- Mean operative time: 75 min (significantly shorter).
- Single-arm benchmark vs 90%: one-sample binomial test (one-sided) $p = 0.047$.
- Complications: 12% mild (fever, pain).
- Infection rate: 9%.
- Hospital stay: avg 2 days.
- Tubeless PCNL in 80%.

Conclusion

- The Dubai/Saeedi Approach is an innovative, reproducible solution.
- Prevents stone migration with parallel triangulation.
- Vacuum-assisted clearance reduces need for prolonged lithotripsy.
- High stone-free rates with shorter operative times.
- Minimizes complications and recovery time.
- A safe and efficient advancement in managing large renal stones.



Contact details

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References



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