

Bendable Suction Ureteral Access Sheath Versus Conventional Ureteral Access Sheath in Management of Renal Stones Using Flexible Ureteroscopy

NCT06862141

Status	RECRUITING
Phase	Not Applicable
Sponsor	Menoufia University
Enrollment	172 participants

Key Eligibility Criteria

Inclusion (5)

- Diagnosis: Radiologically confirmed renal stones (e.g., CT, ultrasound, or X-ray).
- Stone size within a specific range (e.g., 5-20 mm).
- Indication for Treatment: patients indicated for flexible ureteroscopy due to renal stones.
- Anatomical Suitability: normal or mildly altered renal anatomy that allows safe use of the access sheath.
- Willingness to participate and provide written informed consent.

Exclusion (4)

- \- Medical Conditions: Active urinary tract infection (UTI) or sepsis. Coagulopathy or inability to discontinue anticoagulation therapy. Significant comorbidities (e.g., severe cardiopulmonary disease). Pregnancy: Pregnant or breastfeeding individuals.
- Anatomical or Surgical Factors:
 - Severe ureteral stricture or obstruction preventing sheath placement. Congenital abnormalities affecting the urinary tract.
 - Stone Factors: Stones larger than the sheath's operational limit (e.g., $\gt 20$ mm). Multiple stones in different calyces that cannot be accessed in one session.
- \- Previous Treatment: Recent ($\lt 6$ weeks) or repeated interventions for the same stones (e.g., prior lithotripsy or ureteroscopy).

Locations (1 total)

Faculty of Medicine, Menoufia University, Shebin Elkom, Menoufia, Egypt