

First prospective clinical study of a single use sterile cystoscope designed for Double J (DJ) stent removal in an Italian transplant centre

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Study

A prospective clinical study conducted by Dr. Antonio Amato (Surgeon Nephrologist) from the Nephrology department at Civic Hospital in Palermo concluded that the DJ removal in the outpatient clinic by Isiris α makes the procedure **simple**, **efficient** and **safe** in terms of the infection risk particularly important for fragile patients.

Objective

Evaluating the feasibility and benefits of switching the DJ removal from Operating room to outpatient clinic led by Nephrologist (Safety, Complications, Urinary Tract Infections (UTI), procedure delays...)

Methods

- Consecutive data collection of 92 DJ removal procedures to evaluate the safety and efficiency of Isiris α .
- Safety and Urinary Tract Infections assessment: Urine culture before the removal, on the day of removal, one week after removal
- DJ stent removal delays assessment
- All complications were recorded

Results

- 98.9% stent removal success rate with Isiris α solution
- No complication related to the procedure
- No symptomatic infection
- Simple procedure with Isiris α solution
- No DJ removal delay for organizational reasons

	"Old Procedure" Traditional Cystoscopy	Isiris® α
Operator	Urologist	Nephrologist
Setting	Operating theatre	Outpatient clinic or bedside
Anaesthesiologic assistance	Yes	No
Staff involved	Urologist, anaesthesiologist, nurses and all the staff on the operating theatre	Nephrologist and a nurse

Conclusion

- Isiris α : simple and efficient procedure
- Timely stent removal procedure
- Safety: no patients with symptomatic urinary tract infection