



Nephrostomy Tube – A New Design to Decrease Dislodgement

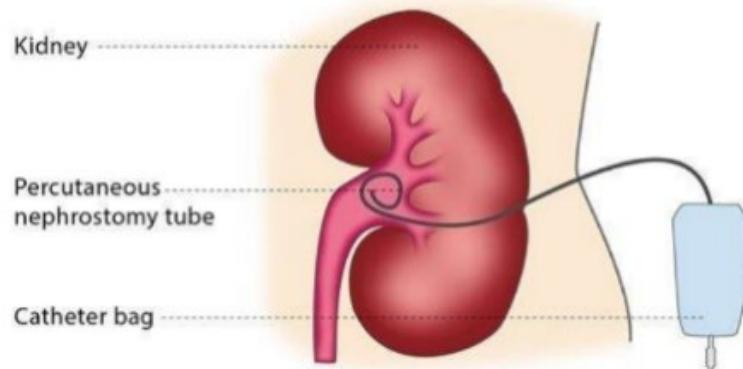


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Nephrostomy tubes are essential for kidney drainage in patients with ureteral obstructions, stones, infections, or strictures. Current designs are prone to accidental premature extraction, causing complications, kidney damage, and costly emergency interventions. This new two-part nephrostomy tube design separates upon sudden pulling, preventing damage while maintaining urine flow. Its easy reconnection mechanism enhances patient safety, autonomy, and healthcare efficiency, while remaining fully compatible with existing tube materials and dimensions.

Percutaneous nephrostomy



APPLICATIONS

- Kidney drainage for ureteral obstructions (benign or malignant)
- Management of impacted stones, infections, and ureteral strictures
- Use in both short- and long-term nephrostomy care

DIFFERENTIATION



Two-part design with special connectors – separates under strain, preventing kidney injury



Quick, tool-free reconnection – easily performed by patients, caregivers, or medical staff



Maintains drainage efficiency – ensures uninterrupted kidney function



Full compatibility – matches existing materials and dimensions for easy adoption

DEVELOPMENT STAGE

Prototype design developed

