Nutcracker Syndrome

- Left Flank Pain
- Pelvic Pain
- Hematuria

Left Renal Vein Stenting

- Wallstent
- SMART stent

Open Surgical Treatment

- Left renal vein transposition
- Gonadal vein transposition
- Gonadal-iliac vein anastomosis
- Renal auto-transplantation
- Transposition of the SMA
- Nephropexy
- Nephrectomy

Conflict of Interest

None
VENOUS STENTS
7 series, 180 patients (175 from China)
Good clinical results at 6-126 months
Stent migration: 0 to 6.7%

Stent complications
Migration

Stent migration in 5 of 75 pts (6.7%)
1 to Right atrium
1 to Right ventricle
2 to IVC
1 to left side of LRV

Stent Fractures

Stent Thrombosis
Open surgery remains the first line of intervention
Stents have a high mid-term success rate but migration, fracture, perforation, thrombosis and restenosis are problems
Stent migration is only prevented with hybrid repair

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HYBRID REPAIR
Transposition with patch and stent

Dedicated renal vein stents (short and flexible, resist fracture and migration) are urgently needed!

THANK YOU!