

Figure S1 Renal pelvis pressure measuring components and schematic diagram. (A) The pressure measuring component in the renal pelvis. (B) Diagram of the first connector connected to the pressure measurement module. 1: the body of catheter; 2: the head of catheter; 31: branch joint; 32: the first connector; 33: the second connector; 4: Interface protection cap; 5: extension tube; 6: pressure transducer; 7: pressure measurement module.

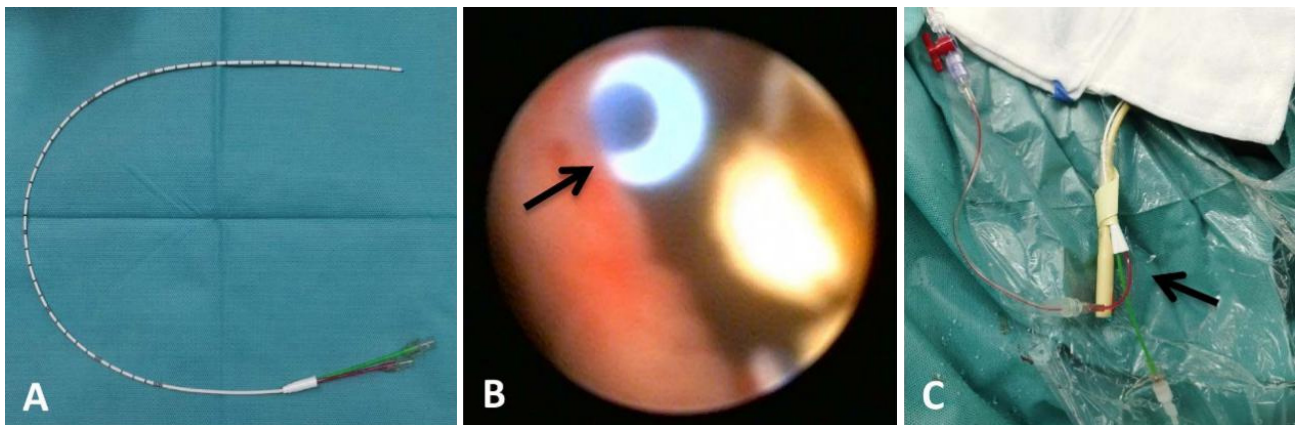


Figure S2 Manometry catheter in the renal pelvis. (A) The pressure measuring catheter in the renal pelvis. (B) The pressure measuring catheter placed in the renal pelvis adjacent to the calculus, the arrow points to the head end. (C) The arrow indicates the external part of the pressure measuring catheter in the renal pelvis.