

KSN 2016 Abstract Submission

Clinical Nephrology

KSN2016ABS-1581

Delayed lumbar artery bleeding after percutaneous renal biopsy

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Background: Bleedings from extra-renal artery injury after percutaneous renal biopsy (PRB) have been rarely reported in the literature and most of them were originated from lumbar artery. Some reports revealed that most of major complications were identified within 24 hours

Methods: We described 74-year-old man resulting in death by delayed lumbar artery bleeding occurring 10 days after renal biopsy.

Results: He was admitted to division of nephrology due to generalized edema starting 14 days before. His clinical and laboratory findings were compatible with nephrotic syndrome and his initial blood urea nitrogen (BUN) and creatinine was 77.6 mg/dL and 3.8 mg/dL, respectively. PRB was done without initial complications and revealed focal segmental glomerulonephrosclerosis (FSGS). Sixty milligrams of prednisolone was started. The 10th day after PRB, he abruptly complained of left flank and lower quadrant pain accompanied by shock and sweating. Computed tomography demonstrated retroperitoneal bleeding and selective angiography confirmed bleeding from left lumbar artery. Embolization was successfully done and his symptoms decreased. The 3rd day after embolization, he passed away with sudden arrest.

Conclusion: We should keep in mind that extra-renal artery bleeding might occur at any time after PRB and recognize and intervene it as soon as possible.

Table: N/A

Keywords: hemorrhage, intervention, kidney biopsy