# KSN 2016 Abstract Submission

*Clinical Nephrology*

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**A case of emphysematous pyelonephritis with emphysematous ureteritis in a non-diabetic patient**

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**Background:** Emphysematous urinary tract infection is the result of necrotizing inflammation which was caused by gas-forming organisms with gas formation within the renal parenchyma, collecting system or urinary bladder, including emphysematous cystitis, emphysematous pyelonephritis.
**Methods:** Among the diseases, emphysematous pyelonephritis is a severe, potentially fatal necrotizing pyelonephritis with a variable clinical presentation, ranging form mild abdominal pain to septic shock.
**Results:** A 80-year-old woman was presented to our hospital with fever and hypotension. She began to experience urinary frequency from 3 days ago, and fever and chillness from 1day ago. She was medicated for hypertension, osteoporosis and dizziness since 15-years ago. The laboratory finding showed leukocytosis, increased creatinine and pyuria. We suspected the urinary tract infection, so computed tomography (CT) was performed. CT scan showed left emphysematous pyelonephritis with emphysematous ureteritis. The result of urine culture was ESBL (-) Escheria coli and we treated with third generation cephalosporin. 14 days later using antibiotics, follow-up CT scan showed near resolution of emphysematous pyelonephritis and emphysematous ureteritis.
**Conclusion:** We report a case of emphysematous pyelonephritis with emphysematous ureteritis in non-diabetic patient.

**Keywords**: Emphysematous pyelonephritis, Emphysematous ureteritis, non-diabetes