### A. Learning with flashcards

**Types of acute kidney injury:**
- prerenal
- intrarenal
- postrenal

**Causes of acute intrarenal injury:**
- acute glomerulonephritis
- acute tubular necrosis
- acute interstitial nephritis

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### B. Conceptual Knowledge Test (CKT)

**Types of acute kidney injury:**
- [ ]
- [ ]
- [ ]

**Causes of acute intrarenal injury:**
- [ ]
- [ ]
- [ ]

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### Key Feature Problem (KFP)

A 82 year old man presents with anuria in the emergency room. Serum creatinin and blood urea nitrogen are strongly elevated. No relevant comorbidity, no medication. The patient is in good condition but feels some pain in the lower abdomen. Vitals signs are normal. The last blood routine 3 months ago was completely normal.

**What is your first technical diagnostic method?**

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### Problem Solving Task (PST)

A 27 year old man presents with signs of uremia in the emergency room and severe anemia (hemoglobin 5.2 g/dl). No signs for hemolysis or fragmentocytes. The blood pressure is 90/60 mmHg with 115 bpm. What type of acute renal injury is suspected (prerenal, intrarenal or postrenal)?

**Provide the reasons for your decision and explain the pathophysiology.**