

## 신장내과 의사가 시행한 동정맥루조영술 및 중재술의 초기 경험

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### Early Experience of Fistulography and Intervention by Nephrologist

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**Background:** Vascular access for hemodialysis is a lifeline of hemodialysis patients, but still remains the Achilles' heel of hemodialysis therapy. And these days, the need of vascular access intervention of nephrologist is arising, because nephrologists directly contact with vascular access dysfunction of hemodialysis patients, are the most close observer, and usually become a doctor first noticed. The aim of this study is to present the early experience of digital subtraction angiography ( DSA ) and endovascular procedures by nephrologist.

**Methods:** From April 2010 to August 2010, 21 patients (male 14, female 7) underwent fistulography or endovascular procedures in Hanmaeum general hospital. All procedures were performed by one nephrologist. These procedures were performed in the angiographic suite equipped with Innova 3100 (GE Medical Systems).

**Results:** Twenty one patients underwent diagnostic DSA during the period. The indications for fistulography was altered characteristics of pulse or thrill in the outflow vein, prolonged bleeding after needle withdrawal, persistent of swelling of the arm, or inadequate flow to support the prescribed dialysis blood flow. Twelve patients underwent percutaneous angioplasty, among them, one patient got intravenous stent insertion. Technical and clinical success rate of endovascular procedures were 100%. After procedures, vein rupture occurred in 1 case, but successfully treated with balloon tamponade.

**Conclusion:** Fistulography and intervention by nephrologist showed the good success rate and reasonable complication rate.

**Key Words:** 혈로 접근, 동정맥루 조영술, 혈액 투석

Vascular access, Fistulography, Hemodialysis