

## 신장내과 의사에 의한 자가 동정맥루 혈전증의 수술적 구제술의 효과

성균관의대 삼성창원병원 내과

조성, 김성록, 이유지

### Salvage of a Thrombosed Autogeneous Arteriovenous Fistula (AVF) by Surgical Reconstruction by Interventional Nephrologist

Seong Cho, Sung Rok Kim, Yu-Ji Lee

Department of Internal Medicine, College of Medicine,  
The Sungkyunkwan University of Korea, Samsung Changwon Hospital, Korea

**Introduction:** Salvage of a thrombosed autogeneous arteriovenous fistula (AVF) by secondary fistula conversion or outflow rerouting may be better than conventional endovascular procedure at certain cases such as peri anastomptic area stenosis. At the Department of Nephrology, Samsung Chang Won hospital, nephrologist has been involved in the creation and salvage of AVF since 2006. We reports the results of surgical salvage of thrombosed AVF.

**Results:** Total 43 surgical salvage procedures in 43 AVF thrombosis cases (radiocephalic fistula, RCF, 35 cases, proximal RCF 3 cases, brachiocephalic fistula, BCF, 5 cases) performed between March 2007 and January 2013, were analyzed retrospectively. Secondary fistula formation using proximal vein in 36 cases (83.8 %), Outflow rerouting in 3 cephalic arch stenosis cases (7%), simple thrombectomy at 3 cases (7%), and graft interposition at 1case (2.3%) were performed. Overall immediate success of surgical procedures was achieved in 42/43 (97.7 %) of cases, and 33/43 (76.7%) AVF were prepared for immediate puncturing without catheter insertion. Primary and secondary patency rates for AVF at 3, 6, 9, 12 months was 88.5, 88.5, 84.7, 80.3% and 94.7, 94.7, 94.7, 90.1%, respectively.

**Conclusion:** In conclusion, according to our experience, surgical salvage of thrombosed AVF, performed under local anesthesia and by a skilled interventional nephrologist, is successful in the short and long term and should be strongly encouraged.

**Key Words:** 동정맥루, 수술, 혈전증

Arteriovenous fistula, Surgery, Thombosis