

## **EXPERIENCE AND COMMENT OF 908 A-V FISTULA OPERATIONS**

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**AIM:** A-V fistulas are the gold standards way of life for End Stage Renal Disease Patients. To achieve these Radio-cephalic fistulas should be opened from distal to proximal, step by step to use the forearm (17-18 cm smooth line) as the way of fistula for years.

**METHOD:** In this study we aimed to investigate the fistula survey and data of 908 fistula done by our team. Data are collected depends to age, gender, localization of fistula and type of anastomosis. Data are depends to output of cases between March 1989 to November 2008.

**FINDINGS:** The smallest patients was 12 and the oldest was 95, average were 55.83. 383 ( 42,2%) patients were female, 525 (57,8%) were male. 338 (37,2%) were at right arm, 570 (62,8%) were at left arm. 1 (0,1%) end to end , 65 (7,15%) end to side , 842 (92,74%) side to side. Localization of fistula 191 (21,2%) snuff-box, 577 (63, 5%) brescia-cimino, 134 (14,8%), ante-cubital, 5 (0,2 %), unlar-bazilik, 1 (0,1%) femoral fistulas were opened. For economic use of forearm cephalic vein used from distal side. (85,2% distal, 14,8% proximal localization). Forearm fistulas are used six times more from antecubital fistulas.

**DISCUSSION:** In some publications the fore arm are divided to two regions as 1 and 2. But we accept the forearm as region 1, 2 and 3 (as low, medium and upper forearm regions). We use the ante-cubital region for last choice. By this way you will be have a long segment vessel for A-V fistulas. The ratio of fistula in our State Hospital and Private Dialysis center are, 100% A-V fistula at State Hospital (for last 12 month), 96% at Fresenius Güneydoğu Dialysis Center. These ratios are over 60-70% at United States and 80-85% at Europe

**RESULT:** Before A-V fistula operations map of vessels should be find out and the most suitable vessels should be find. Operation should be started as possible as from distal side of forearm (Snuff- Box). If this stops, the cephalic vein should be used step by step. Subclavian catheter should not be used and if used fistula should be opened from other side.