

ABSTRACT 1999

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32.864 diagnostic coronary angiographies (CA) and 9.276 PTCA were done in 28 adult-centers (22 of them perform PTCA, 16 of whom have surgical "back up" in the same house) in Austria during the year 1999.

This is an increase of 4.6 % concerning coronary angiography and a 8.4% increase in PTCA compared to 1998. 72 % of PTCA were done during the diagnostic study (CA), direct PTCA for ongoing infarction was performed in 9.1%. In 6.883 cases stents (74 % of the PTCA cases) were implanted. International comparison shows Austria under the top nations with 4.082 CA and 1.152 PTCA per one million inhabitants. 40% of 100 diagnostic cases are followed by PTCA or Coronary artery bypass Surgery.

Hospital mortality after PTCA was reported in 0.6 %, emergency bypass surgery rate after PTCA in 0,3 % and a myocardial infarction due to PTCA in the cath-lab occurred in 0.8 %. Mortality after emergency Surgery due to failed PTCA was 16 % (4 out of 25 cases) in 1999, and showed a roller coaster appearance the years before (3.3-28% from 1993-1996, 8.3% in 1997 and 15.4% in 1998).

The culprit lesion was a Type B lesion in 34% in the year 1996 and in 45% in 1999, at the same time the percentage of Type C lesions increased to 23%.

Compared to the year 1998 there is an increase in the usage of IIb/IIIa platelet antagonists during PTCA from 14.4 to 16.7%, of puncture site closing devices from 3.0 to 16.7% during the year 1999.

New devices in 1999 were: alcohol ablation for septal hypertrophy (n=9), PDA/PFO/ASD – closure by catheter (n=24), transmyocardial laser revascularization (n=12), carotid artery intervention (n=60), brachytherapy (n=19)

The mean case load for all the 166 physicians, performing coronary angiography in 1999, was 198 per year, concerning the 84 PTCA-physicians the mean case load was 110 per year, this means 307 PTCA and 939 diagnostic angiographies per room in 1999.