

# PCI- und KORONARANGIOGRAPHIE IN ÖSTERREICH IM JAHR 2001

## PCI- AND CORONARY ANGIOGRAPHY IN AUSTRIA 2001

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## **ABSTRACT:**

Experience in the real world: 38.714 diagnostic coronary angiographies (CA) and 12.053 percutaneous coronary Interventions (PCI) were done in Austria during the year 2001. There are 31 centers for diagnostics in adults, 29 of them perform PCI as well, which is an increase of three PCI- centers compared to the year 2000. Concerning the 24-hours on duty service there is an increase from 9 to 14 centers. Ten out of 29 centers have surgical "back up" in the same house.

This is an increase of 9 % concerning coronary angiography and a 15 % increase in PCI compared to 2000. The increase is steeper than in the years before. 77 % of PTCA were done during the diagnostic study (CA), direct PCI for ongoing infarction was performed in 9.2 %. In 9.756 cases stents ( 81 % of the PCI cases) were implanted.

Overall Mortality after PCI was reported in 0.61 % (within this group 16 of 772 (2.1 %) of patients died having an infarction without shock as an indication for PCI, and 38 of 129 (30 %) with infarction and shock before PCI). Emergency bypass surgery rate after PCI was 0,16 % and mortality after emergency Surgery due to failed PCI since 1997 increased to 32% in the year 2001.

Case-fatality reported by record-linkage with the Austrian state national vital statistics death file showed 2.5 years after the year 1998 a mortality in 6 centers of 744 out of 9.588 patients (8.1%), including 138 deaths out of 1.991 PCI-patients (6.9%) and 632 deaths out of 7.580 patients (8.3%) after diagnostic coronary angiography (CA) without PCI. Mortality due to "Diseases of the circulatory system" was 5.2% after PCI (103/1.991) and 6.3% after CA (477/7.580) respectively.

Since the year 1998 there is an increase in the usage of IIb/IIIa platelet antagonists during PCI which is constant since the last year at 22% and of puncture site closing devices at 32% during the year 2001. Brachial punctures reached 3.2% in, 2001 is the year without special "New Devices" after innovation of brachytherapy and before introduction of drug-eluting stents.

International comparison shows Austria under the top nations with 4.803 CA and 1.495 PCI per one million inhabitants. This is comparable to Switzerland and less than in Germany in CA. In a ranking concerning PCI Austria would show up as number 12 out of 16 German states, after Brandenburg, before Sachsen-Anhalt. The differences are not due to different patient structures.

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KEY WORDS: Audit, Quality Control, Quality Management, Interventional Cardiology, PC

