was the evaluation of the short-term success and safety after PV stenting of severe stenosis.

**Methods and results** 5 patients (pts) with 11 PVS were prospectively evaluated. All 5 pts experienced onset of dyspnoea on exertion some weeks or several months before, 3 with dyspnoea at rest, 5 with cough, and 2 with chest pain. On multi-contrast CT examination for each case, the narrowest lumen of the affected PVs measured 2.1±1.1 mm compared with 10.1±3.3 mm at baseline (p≤0.001). The length of narrow segment was 10.2±2.9mm. All of 11 veins were treated with stent implantation with Palmaz Genesis stents, which were 7- or 8-mm-diameter and 12-, 15-, 18-mm-length. At percutaneous intervention, these veins showed 81±15% stenosis, with a mean gradient of 20±5 mm Hg. This was significantly reduced to a residual stenosis of 8±2% (p≤0.001) and a residual gradient of 5±2 mm Hg (p≤0.001) immediately. The mean pulmonary pressure was 46±5 mm Hg pre-intervention, which decreased to 28±4 mm Hg post-intervention in our protocols. The procedure was safety and successful, no complications were occurred in our pts. The symptomatic response was improved immediately and significantly.

**Conclusions** Percutaneous intervention produces rapid and dramatic symptom relief in patients with highly symptomatic PV stenosis after radiofrequency ablation for AF. Nevertheless, mid-term and long-term follow-up study with flow determination in the affected vein is still need to assess.

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**GWICC Abstracts 2010**

**e0490 SAFETY AND FEASIBILITY OF TRANSRADIAL CORONARY ANGIOGRAPHY AT THE OUTPATIENT CLINIC**

doi:10.1136/hrt.2010.208967.490


**Objective** To evaluate the safety and feasibility of transradial coronary angiography at the outpatient clinic.

**Methods** From February, 2008 to June, 2008, 100 outpatients who received transradial coronary angiography in Anzhen Hospital were included in this analysis, and 100 inpatients who underwent coronary angiography were selected as control group. Primary endpoints included success rate, percentage of angiographic catheter use with different diameters, adverse events during the procedure (such as death, malignant arrhythmia, acute myocardial infarction, coronary artery spasm, coronary artery dissection, perforation or occlusion, etc.) and after the procedure (such as death, acute myocardial infarction, upper limb haematura, osteofascial compartment syndrome, radial artery pseudoaneurysm or occlusion, etc.).

**Results** The success rate (100% vs 100%), procedure duration time (12.5±3.4 min vs (10.2±3.6) min, p =0.517) and exposition time (4.3±1.0) min vs (4.1±1.0) min, p =0.629) were similar between the outpatient and inpatient groups. Radial and coronary artery spasm were the main adverse events during the angiography, and haematura was the main adverse event after the angiography. There were no significant differences of adverse events between the 2 groups. The total cost of the outpatient group was significantly lower than the inpatient control group (4012±238) yuan vs (5529±571) yuan, p<0.01). Expenditure including chemical tests, medicine, nursing care, Room & Board all decreased significantly.

**Conclusion** Transradial coronary angiography application at the outpatient clinic was safe and feasible for stable patients, and this procedure could decrease the medical expenditure and shorten the admission time.

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**e0491 ASSOCIATION OF CORONARY HEART DISEASE WITH CAROTID ARTERY INTIMA-MEDIA THICKNESS AND BA PWV**

doi:10.1136/hrt.2010.208967.491

Liu Junming, Huang Menjun, Wang Mingjian, Xie Wei, Dou Qinghui, Zou Qi. Department of Cardiovascular Internal Medicine, Bingtuan Hospital of Production and Construction, China

**Objective** To investigate the association of coronary heart disease with carotid artery intima-media thickness and baPWV, by measuring carotid intima - media thickness and baPWV.

**Methods** 160 patients who had been examined by coronary angiography were divided into normal group and coronary artery disease group (this group was subdivided into 1 vessel group and multi-vessel group). Carotid ultrasonography and baPWV were performed on them.

**Results** Compared to the patients in normal group, The carotid artery IMT of the coronary artery disease group increased significantly with the aggravation of coronary artery stenesis (the normal group: 0.83±0.08 mm, the 1 vessel group: 0.91±0.11 mm, the multi-vessel group: 1.06±0.15 mm, p<0.01). The baPWV increased too (the normal group 1411.20±197.71, the 1 vessel group 1742±200.89, the multi-vessel group 2859.40±519.03, p<0.01). The carotid artery IMT and baPWV were significantly higher in multi-vessel group than those in 1 vessel group and normal group (p<0.01).

**Conclusion** Carotid atherosclerosis and baPWV have great value in predicting coronary artery disease. For the coronary heart disease high risk group, routine carotid ultrasound examine and the measure of baPWV can be used to estimate the state of coronary artery atherosclerosis.

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**e0492 CAROTID INTIMA-MEDIA THICKNESS AND CORONARY ARTERY DISEASE**

doi:10.1136/hrt.2010.208967.492

Liu Junming, Huang Wanjun, Wang Mingjian, Xie Wei, Dou Qinghui, Zou Qi. Department of Cardiovascular Internal Medicine, Bingtuan Hospital of Production and Construction, Xinjiang, China

**Objective** To investigate the association of coronary heart disease with carotid atherosclerosis and baPWV, by measuring Carotid intima - media thickness.

**Methods** The plaque index and intimia - media thickness (IMT) and baPWV were determined on January 11, 2022 by guest. Protected by copyright.