Our results, even with the limitation of the small number of patients, confirm the benefits of OAC in patients in routine clinical practice with NVAF and a CHADS$_2$-VASc score of 2 or higher, but not in those with a CHADS$_2$-VASc score of 1. In our opinion, the benefit of anticoagulation therapy in the latter group is questionable and, in any case, small.

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High Risk Anomalous Origin of the Right Coronary Artery

Variante maligna del origen de la coronaria derecha

To the Editor,

We present the case of a 31-year-old female native of Colombia, with no cardiovascular risk factors or relevant medical history, who was referred to a cardiologist for oppressive chest pain on effort of possible coronary origin and of 5 years of evolution. On physical examination there were no pathological findings of interest. ECG showed a sinus rhythm of 50 bpm, without repolarization alterations; chest X-ray was normal; transthoracic echocardiogram showed a normal sized left ventricle with preserved function, without any changes in general and segmental contractility. A maximum stress test was performed according to the Bruce protocol, which resulted in positive clinical signs and negative electrical signs for ischemic heart disease.

With these findings and given the patient’s low risk of ischemic heart disease, a cardiac computed tomography (CT) angiography was requested. This is a non invasive anatomical imaging study which makes it possible to assess the coronary arteries and

**REFERENCES**


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**Figure 1.** 64-slice coronary computed tomography (prospective acquisition) with volume reconstruction: an anomalous right coronary artery arising from the left sinus of Valsalva, decreased caliber and interarterial course.

**Figure 2.** Right coronary artery reimplanted in the non-coronary sinus, without residual stenosis.
Parameters of Arterial Stiffness: Hypertensive and Diabetic Patients vs Controls

Parámetros de rigidez arterial en sujetos hipertensos y diabéticos comparados con controles

To the Editor,

Arterial stiffness predicts cardiovascular morbidity and mortality, and can be evaluated with: pulse wave velocity (PWV), \(^2\) ambulatory arterial stiffness index (AASI), \(^2\) and augmentation index (AI). \(^4\)

There are studies in Spain on arterial stiffness in various subpopulations, \(^5\) but there are no studies that have jointly analyzed PWV, AASI, and AI in diabetic and hypertensive patients. The aim of this study is to report average values for these parameters in diabetic and hypertensive patients compared to controls, and to analyze determining factors.

From 2006 to 2010, we recruited 373 patients from consultations in 2 health centers. Those who had medical histories of cardiovascular disease were excluded. The sample size was estimated for detecting differences of 1 m/s in PWV between groups. By assuming an alpha risk of 0.05, a beta risk of 0.2 and a standard deviation of 2.12 m/s, 95 subjects per group were needed.

The protocol was approved by the research ethics committee and all patients signed an informed consent form. The PWV and AI were estimated with the SphygmoCor System. We performed the aortic pulse wave analysis with a sensor on the radial artery with the patient seated. Using mathematical transformation based on the radial wave, we estimated the central blood pressure and the central and peripheral AI. We evaluated reliability by intraclass correlation (\(r = 0.974\); 95% confidence interval [CI], 0.936-0.989) in repeated measurements of 22 subjects. Carotid-femoral PWV was determined with the patient lying down, estimating the pulse wave delay at the carotid and femoral level with respect to the electrocardiogram. We defined AASI as 1 - the regression slope for the diastolic blood pressure (DBP) and the systolic blood pressure (SBP) of 24-hour readings, and the Sym-AASI as 1 - (1- AASI) / r.

We assessed the association between qualitative variables with the \(\chi^2\) test, and the difference of the means with ANOVA. We controlled for age with ANCOVA. We analyzed the variables related to the parameters of arterial stiffness with stepwise multiple regression analysis, adjusted for age and sex. PWV, AASI and central augmentation index (cAI) were used as dependent variables. The independent variables were smoking, SBP, DBP, heart rate (HR), body mass index, total cholesterol, low-density lipoprotein cholesterol, high-density lipoprotein cholesterol, triglycerides, baseline glycemia, C-reactive protein and fibrinogen. We used the SPSS/PC+=18.0 statistical program.

Table 1 shows the cardiovascular risk factors, average values of the stiffness parameters, and average antihypertensive and lipid-lowering drugs per group. After adjusting for age, the differences between diabetic patients and controls were: PWV, 1.13m/s (95% CI, 0.51-1.74) (\(P < .01\)); AASI, 0.01 (95% CI, 0.00-0.03); and cAI, 2.87 (95% CI, 0.82-6.56). Differences between hypertensive