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Prescribing decisions should be made based on the approved package insert in the country of prescription*

<b>Sponsor/company:</b>	<b>sanofi-aventis</b>	<b>ClinialTrials.gov Identifier:</b>	<b>NA</b>
<b>Generic drug name:</b>	<b>Irbesartan</b>	<b>Study Code:</b>	<b>L_9130</b>
		<b>Date:</b>	<b>November 20<sup>th</sup>, 2006</b>

<b>Title of Study:</b>	The comparison of irbesartan with atenolol for the effects on endothelial dysfunction in type II diabetes patients with hypertension
<b>Investigator:</b>	Prof. Dr. Nevres Koylan
<b>Study center:</b>	Istanbul University Istanbul Faculty of Medicine Department of Cardiology, Turkey
<b>Publication reference:</b>	None
<b>Study period:</b>	4 months
<b>Phase of development:</b>	Phase IV
<b>Objectives:</b>	<b>Primary:</b> Evaluation of the effect of irbesartan on nitric oxide (NO), which has key role in the endothelial dysfunction and the development of pressure vasomotor response, compared to standard therapy (atenolol) <b>Secondary:</b> Evaluation of the effect of irbesartan on chronic inflammatory process and tendency for procoagulation, associated with endothelial dysfunction, compared to atenolol.
<b>Methodology:</b>	Prospective, standard therapy controlled, randomized, open, single center study
<b>Number of patients:</b>	Included: 44 Analysed: 44
<b>Diagnosis and main criteria for inclusion:</b>	Patients, who were 40-65 years of age, type II manifest diabetes according to ADA criteria and mild to moderate hypertensive (180-140 mmHg systolic and 110-90 mmHg diastolic blood pressure), were included to the study. Secondary hypertension, congestive heart failure, azotemia, type I diabetes, liver failure, pregnancy and lactation and cancer were exclusion criteria.

Test product, dose, mode of administration and batch number	Tablets containing 150 or 300 mg of irbesartan: Karvea 150 mg/day, oral tablet Karvea 300 mg/day, oral tablet Karvezide 150 mg/day, oral tablet Karvezide 300 mg/day, oral tablet
Reference therapy, dose and mode of administration	Tablets containing 50 or 100 mg of atenolol Nortan 50 mg/day, oral tablet Nortan 100 mg/day, oral tablet
Duration of treatment	3 months
Criteria for evaluations:	<u>Efficacy:</u> Primary criterion of efficacy was high resolution Doppler ultrasonography for the evaluation of vasomotor function. Secondary criteria of efficacy were sICAM-1, sVCAM, sE-selectin, endotelin-1, IL-10, IL-6, CRP and PAI-1 for the evaluation of chronic inflammation and tendency for procoagulation. <u>Safety:</u> Frequency, severity, causal relation to study drugs, duration and result of adverse events during the study.
Statistical methods:	Data for sociodemography, medical history, physical examination and evaluation criteria were summarized using descriptive statistics (like percentage, ratios, arithmetic means and standard deviations). In-group and between-groups comparisons were performed using parametric or nonparametric tests depending on the characteristic of data.  Significance limit was defined as $p < 0.05$ .
Conclusions:	Compared to the standard antihypertensive therapy (atenolol), irbesartan; <ul style="list-style-type: none"> <li>• has same antihypertensive effect,</li> <li>• has same decreasing effect on urine albumin and creatinine,</li> <li>• has same effect on inflammation process and tendency for procoagulation,</li> <li>• has more beneficiary effect on vasomotor response,</li> <li>• is safe like standard therapy,</li> </ul> on hypertensive type II diabetic patients.
Date of report:	February 1st, 2006