## D068

THE ANTIHYPERTENSIVE EFFICACY AND SAFETY OF IRBESARTAN COMPARED WITH AMLODIPINE FOR THE TREATMENT OF MILD-TO-MODERATE HYPERTENSION. J. Neutel\*, W. Germino\*, D. Smith\*, J-S. Park, K. Reilly, and J. Triscari\*. Orange County Heart Institute and Research Center, Orange,

Irbesartan, a potent, long-acting angiotensin II receptor antagonist that is highly selective for the AT<sub>1</sub> receptor subtype, has been shown to effectively and safely lower blood pressure with once-daily administration. This study was designed to compare the antihypertensive efficacy and safety of irbesartan to amlodipine, a dihydropyridine calcium antagonist. The mean change from baseline in trough Seated Diastolic Blood Pressure (SeDBP) following a regimen of once-daily oral administration of the recommended starting doses of irbesartan (150 mg) or amlodipine (5 mg) was evaluated during a 4-week randomized, double-blind trial. Following a 3-week placebo lead-in period, 114 male and 67 female, non-African Americans subjects, with a mean age of 51.0 years, and mild-to-moderate hypertension (baseline SeDBP between 95 and 111 mmHg; mean SeDBP 99.7 mmHg) were randomized to receive study drug (n=89, irbesartun; n=92, amlodipine). After 4 weeks of treatment, there was a decrease from baseline in SeDBP  $\pm$  SE of -9.4 mmHg  $\pm$  0.64 in the irbesartan group and -9.6 mmHg ± 0.63 in the amlodipine group. The difference between the two treatment groups was 0.2 mmHg (95%C.I. -1.5, 1.9). At two weeks, there was a decrease from baseline in SeDBP of -9.1 mmHg ± 0.58 and -8.4 mmHg ± 0.56 in the irbesartan and amlodipine groups, respectively. There were also decreases from baseline in trough seated systolic blood pressure (SeSBP) at 2 and 4 weeks which were similar in both groups (-12.2 mmHg and -12.0 mmHg for irbesartan and amlodipine, respectively at week 4). Nineteen (19) subjects in each treatment group reported adverse events during the blinded portion of the study, and 1 subject in the amlodipine group died during the study (death not related to study drug). Over the 4-week period of this study, both drugs showed comparable efficacy in reducing mild-to-moderate hypertension. Thus, irbesartan is a safe and effective first-line alternative for the treatment of mild-to-moderate hypertension in this population.

Key Words: Irbesartan, amlodipine, antihypertensive efficacy

## D070

PROGNOSIS OF ELDERLY HYPERTENSIVE PATIENTS IN JAPAN
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To assess the prognosis of hypertension in the elderly, 700 elderly hypertensive patients, age ≥ 60, were recruited and followed up for 4 years. Seventy-three cerebro-cardiovascular events including eighteen deaths occurred. patients, cancers were newly found, and 12 of them were died of cancer. The incidence of them were died of cancer. The incidence of cerebro-cardiovascular events were significantly higher in those patients who had concomitant disorders including renal dysfunction, diabetes mellitus, hyperlipidemia, compared with patients without concomitant disorders (odds ratio 6.35). Calcium antagonists were most frequently prescribed followed by  $\beta$ -blockers. There were no difference in the incidence of the cerebrocardiovascular events and cancers among the classes of antihypertensive drugs. The morbidity and mortality rate of cerebro-cardiovascular events were 29.6 and 7.3 cases/thousand patients

• year, respectively. These values were lower or equivalent to these respectively. equivalent to those reported in EWPHE, STOP, MRC II, SHEP, and Syst-Eur studies.

elderly, treatment, cerebrovascular event, cardiovascular event, cancer, aging

## D071

ANTIHYPERTENSIVE DRUGS VERSUS CARDIOVASCULAR RISK FACTORS: THE ZIMBABWEAN EXPERIENCE

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Introduction: High levels of serum total cholesterol (TC), low-density lipoprotein (LDL), lipoprotein (a) [Lp(a)] and fibrinogen (FIB) are risk factors for cardiovascular diseases in addition to diabetes meilitus and hypertension. Two or more cardiovascular risk factors that need correction often co-exist in some patients and such patients may have to attend different Specialist Clinics for the risk factors. Objective: The core aim of this study was to examine the effects of antihypertensive drugs on lipid profile and fiftinogen levels of some hypertensive Zimbabweans.

Materials and Hierhods: We measured the serum total cholesterol, low-density lipoprotein and fibrinogen levels in 250 hypertensive Zimbabweans (120 males and 130 females) attending the "Hypertensivo Clinic" of Paritenyalwa Hospital In Harare, Zimbabwe. The medien age of the patients was 57 years (range: 28-85 years). The patients were not taking lipid-lowering drugs, hommone replacement therapy, or thrytorise. They did not have diabetes melitus or impaired glucose lolerance, and their liver, renal and thyroid function tests were normal. Their diastolic blood pressure (DBP) and systolic blood pressure (SBP) whese were not less than 95 mm/lg and 160 mm/lg respectively. All the patients were undergoing antihypertensive treatment with either "lipid-hostile" antihypertensives (i.e. thiz/ded diunetics and beta-adrenoreceptor blockers). — 150 (60%) patients: the effects of the antihypertensive drugs on serum total cholesterol (TC), LDL and plasma fibringen (TB) were monitored and documented. Data captured were analysed statistically by Chi Square method. Results: Secondary cardiovascular diseases, plasma tibringen concentration was significantly higher than in patients undergoing therapy with "lipid-hostile" antihypertensives (i.e.) and an antihypertensive were higher in patients without secondary cardiovascular diseases than in patients wi

Key Words: Antihypertensive Drugs, Cardiovascular risk factors