EFFECT OF PERINDOPRIL AND OF NITRENDIPINE ON PLASMA FIBRINOGEN IN OVERWEIGHT HYPERTENSIVE PATIENTS.

PATIENTS: 30 hypertensive patients with blood pressure of < 190 mmHg and > 160 mmHg at the time of entry. They were treated with Lacidipine 4-8 mg, p.o. q.d. or Nitrendipine 20-40 mg o.d. for 1 year according to a double blind parallel group design. At the end of the treatment period BP was measured and blood samples were taken to evaluate fasting plasma fibrinogen, insulin, glucose, total cholesterol, HDL-cholesterol and triglycerides.

Results: the two treatments produced a significant and similar BP reduction (-13/13 mmHg with P, p < .001; -18/12 with N, p < .001). Plasma Fibrinogen levels were significantly decreased by P from 377 ± 14,2 to 279 ± 15,1 mg/dl (-17.5%, p < .01) but not by N (from 334 ± 13,9 to 315 ± 14,2 mg/dl, -6%, NS). No treatment significantly changed the other metabolic parameters, although a trend toward a decrease in plasma glucose (-5.2%), insulin (-9.3%) and triglycerides (-16.7%) was observed in the P group. The triglycerides decrease resulted correlated with the fibrinogen decrease (r=0.38, p < 0.05).

Conclusions: Perindopril treatment decreases fibrinogen levels in overweight hypertensive patients and such a reduction seems linked to triglycerides reduction. These data suggest that ACE-inhibition could positively influence the overall coronary risk profile of overweight hypertensive patients.

Key Words: Fibrinogen, overweight, Perindopril, Nitrendipine.

LACIDIPINE THERAPY AFTER RENAL TRANSPLANTATION

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Abstract: From the clinical observation 30 hypertensive patients (M: 21; F: 9, age 42.3 ± 8.5 years, range 24 to 67 years) after kidney transplantation, all previous antihypertension medication was discontinued at the start of the study. A baseline sitting diastolic blood pressure of >95 mmHg and <115 mmHg and systolic blood pressure of <190 mmHg and >160 mmHg at the end of dismedication were taken as criteria for study entry. They were treated with Lacidipine 4-8mg, p.o. q.d. for one month, SBP, DBP, blood creatinine and Nitrogen decrease obviously (P < 0.01, <0.01, <0.01, <0.01), while the endogenous creatinine clearance and the blood cholesterol concentration are not increase (P > 0.05), without affecting to blood glucose, blood lipid, serum K+, serum Na+, serum Cl-, urine K+, urine Na+, urine Cl- (P > 0.05)

The results pointed out that Lacidipine has the effects of protecting the transplanted kidney, improving the kidney function, lowering SBP and DBP, having no effects of the blood cholesterol concentration.

Key Words: Lacidipine, overweight, Perindopril, Nitrendipine.