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## Effects of different doses of irbesartan combined with spironolactone on urinary albumin excretion rate in elderly patients with early type 2 diabetic nephropathy

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**Short title:** Treatment of diabetic nephropathy in elderly with spironolactone

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**Keywords:** Diabetic nephropathy; Spironolactone; Urinary albumin excretion rate

### Abstract

**Background:** There is a lack of research on the effect of low-dose of Angiotensin receptor blockers (ARBs) combined with spironolactone, and the effect of high-dose of ARBs alone on urinary albumin excretion rate (UAER) in elderly patients with early type 2 diabetic nephropathy (DN).

**Methods:** We conducted a prospective randomized, open, parallel-controlled study that included 244 elderly patients with early DN and mild-to-moderate essential hypertension. Patients were randomly divided into 4 groups: low-dose irbesartan (group A), high-dose irbesartan (group B), low-dose irbesartan combined with spironolactone

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