

Presence of angiotensin II and expression of angiotensin II type-2 receptor in human fallopian tube

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Objective: To determine the presence of angiotensin II and angiotensin II type-2 receptor subtype messenger RNA (mRNA) in human fallopian tube. **Design:** Frozen fallopian tubes were used for all studies. **Setting:** Procedures were performed at the Institute of Maternal and Child Research, School of Medicine, University of Chile and San Borja-Arriaran Clinical Hospital, National Health Service, Santiago, Chile. **Patient(s):** Eight patients (30-38 years) undergoing surgical sterilization or hysterectomy for benign gynecologic conditions. **Intervention(s):** Surgery was scheduled in the proliferative or secretory stage of the menstrual cycle. **Main Outcome Measure(s):** Localization of angiotensin II by immunofluorescence studies, expression of angiotensin II type-2 receptor mRNA, and concentrations of angiotensin II receptor subtypes and binding characteristics. **Result(s):** Angiotensin II was immunolocalized mainly in blood vessel endothelium and, to a lesser extent, in stromal cells. Both binding an