



## **Left ventricular hypertrophy in preeclampsia/gestational hypertension**

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### **Objective**

To increase awareness of hypertensive complications in pregnancy.

### **Methods**

The study was done at the University Clinic of Gynecology and Obstetrics, Skopje, Macedonia. Pregnant women were enrolled after they have signed written consent. Patients were divided in two groups; the study group included 51 patients with either gestational hypertension or preeclampsia (PE) and the control group included 30 normotensive patients. All the participants underwent maternal echocardiography upon entry to the study (34 GW), 2 weeks postpartum, and 6 months post-partum.

### **Results**

Pregnant women with preeclampsia/gestational hypertension had echocardiographic findings consistent with LVH in 31% upon admission. On follow up two weeks postpartum and 6 months postpartum the percentage of LVH were 17, 6 and 18, 7 respectively.

### **Conclusion**

LVH is consistent with B stage heart failure or the asymptomatic phase. Life style modification and close surveillance is needed in order to prevent C stage heart failure or the symptomatic phase.