البحث السادس : بحث **فردي** غير مشتق من رسالة ولم يسبق تقييمه **منشور دولى**

عنوان البحث باللغة الانجليزية:

Expression profile of LncRNA ANRIL, miR-186, miR-181a, and MTMR-3 in patients with preeclampsia

عنوان البحث باللغة العربية:

الملف التعريفي للتعبير عن LncRNA ANRIL وmiR-186 وmiR-181a وMTMR-3 في المرضى الذين يعانون من تسمم الحمل

تاريخ النشر: 2023

مكان النشر: sciencedirect , Non-coding RNA Research

ABSTRACT

Preeclampsia (PE) is a leading cause of maternal and neonatal morbidity and mortality worldwide.

Several studies demonstrated the role of lncRNAs and miRNAs in the pathogenesis of preeclampsia; the aim was to detect the expression profiles of serum LncRNA ANRIL, miR-186, miR-181a, and MTMR-3 in patients with preeclampsia.

The study included 160 subjects divided into 80 subjects considered as a control group, 80 patients with preeclampsia. We found that there was a significant difference between the preeclampsia and control groups with up-regulation of miR-186 median (IQR) = 4, 29 (1.35–7.73) ($P < 0.0001$), miR-181a median (IQR) = 2.45 (0.83–6.52) ($P = 0.028$), and downregulation of lncRNA ANRIL median (IQR) = 0.35(0.28–0.528) ($P < 0.0001$), MTMR median (IQR) = 0.32(0.155–1.11), ($P < 0.0001$). ROC curve of lncRNA ANRIL, miR-186, miR-181a, and MTMR-3 in preeclampsia patients showing the roles of these markers in the diagnosis of preeclampsia.

In conclusion, serum LncRNA ANRIL, miR-186, miR-181a, and MTMR-3 could be promising biomarkers in the diagnosis of preeclampsia.