A case of multiple endocrine neoplasia type 1 during pregnancy

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Objective
Multiple Endocrine Neoplasia Type 1 (MEN1) or Wermer's syndrome is a rare hereditary endocrine syndrome with high penetrance caused by mutations in MEN1 tumor suppressor gene. MEN1 is characterized by hyperplasia or tumoral enlargement in a number of endocrine organs (parathyroid glands, pancreas, pituitary gland, adrenal gland) and it could be hormonally active or inactive. MEN1 is a significant cause of morbidity due to hormone secretion and mass effect.

Methods
Since it is a rare condition, there are no guidelines with respect to the follow-up of pregnant women with MEN1.

Results
Herein, we aimed to present the diagnosis and gestational follow-up of a 29-year-old pregnant with MEN1 syndrome.

Conclusion
In conclusion, there are no sufficient studies or references that would guide us in terms follow-up and treatment of pregnant women diagnosed with MEN-1. However, the experience we gathered from the patients followed-up at our clinic indicates that MEN1 patients with primary parathyroidism, prolactinoma and pancreatic islet tumors can go through pregnancy uneventfully and deliver the baby vaginally. Undoubtedly, diagnosis being made and total parathyroidectomy being performed before pregnancy are the most important contributors of this outcome. More cases being reported in the future will inevitably broaden our knowledge.