Transvaginal Sonography in Gynecology and Early Pregnancy

Dear Colleagues,

During the last decades we have noticed a tremendous development in the fields of ultrasound imaging in Gynecology and Obstetrics. Since the establishment of transvaginal sonography in the 60s there have numerous modifications and improvements in imaging techniques and quality of visualization. Transvaginal sonography has proved to be a valuable companion in the diagnosis and management of Gynecological and Obstetric problems. Diagnosis of several gynecological conditions related with cervix, uterus, ovaries and vagina have been more easier and practically achieved in every day practice of Physicians. Furthermore transvaginal sonography during pregnancy achieved the early diagnosis of ectopic pregnancy, first trimester pregnancy loss, trophoblastic disease etc. The measurement of cervical length has been a golden standard for the prediction and management of preterm labor. Transvaginal sonography have assisted in vitro fertilization techniques and have been used extensively in the diagnosis and management of the reproductive disorders.

In this special issue we would like to share articles that report the use of transvaginal sonography in the fields of acute and chronic problems in Gynecology and the early pregnancy issues. The articles will be related with the diagnosis of ectopic pregnancy, trophoblastic disease and uterine and ovarian abnormalities. In addition articles that study the implementation of mathematical models that may predict the possibility of gynecological malignances with the use of transvaginal sonography are welcomed.

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