

# International Conference on Pediatrics & Gynecology

## Evaluation of transvaginal uterine artery ligation as a minimally invasive conservative treatment for symptomatic uterine leiomyoma- A pilot study

**A. G. Radhika**

Department of obstetrics and gynaecology, University college of medical sciences & Guru Teg Bahadur hospital, India

**Objectives:** a) Determine the feasibility of transvaginal uterine artery ligation as conservative minimally invasive treatment in symptomatic uterine fibroids.

b) Evaluate the efficacy of transvaginal uterine artery ligation on symptoms of leiomyoma & ultrasound features of leiomyoma.

**Study design:** Prospective Clinical Study.

**Material & Method:** 20 women, in the reproductive age with symptomatic uterine fibroids, willing for conservative surgical management were recruited for the study from the outpatient clinic at Guru Teg Bahadur Hospital, Delhi. Transvaginal uterine artery ligation was done under anesthesia. The patients were followed up at 1, 3 and 6 months for persistence or recurrence of symptoms, clinical examination and transvaginal ultrasonography.

**Results:** At 6 months there was statistically significant decrease in the following measured outcomes - menstrual blood loss (40.16%), dysmenorrhoea (66%), dyspareunia (75%), low backache (65%), fibroid volume (25%), and uterine volume (19%).

**Conclusion:** Transvaginal uterine artery ligation was found to be safe, efficacious, feasible and cost effective procedure with good patient satisfaction rates towards conservative approach for treating uterine myomas.