

## Gynecology case study #2

An 32 year old G1P1 (1001) consulted at the outpatient department due to heavy menstrual bleeding for the past 2 years. She is an office employee, and currently married to a 35 year old mechanic. Past medical and family medical histories are unremarkable. She is a nonsmoker and non-alcoholic beverage drinker; No history of oral contraceptive use. Prior to her condition, she had normal menstrual cycles, using only 2 pads per day, lasting 2-3 days with no dysmenorrhea.

She reported having prolonged and heavy menstrual bleeding since 2 years prior to consult, using up to 4-5 adult diapers per day, lasting for 8-10 days. She reported experiencing severe pelvic pain during her menstrual periods, temporarily relieved by intake of mefenamic acid. LMP is 3 days prior to consult. She consulted a family physician a year ago who prescribed tranexamic acid, which provided only temporary relief. There were no bowel nor urinary symptoms noted.

On physical examination, patient was ambulatory, not in cardiorespiratory distress; Her BP=90/60 mmHg, PR 110 bpm, RR 18 cpm. BMI is 23, afebrile. She has very pale palpebral conjunctivae and pail nail beds. Her abdomen is slightly enlarged, with a palpable, firm, movable, hypogastric mass reaching just below the level of the umbilicus; bowel sounds normal.

On speculum exam, cervix and vagina were pinkish and had no gross abnormalities; There was blood coming out of the cervical os; On internal exam, her vagina was smooth, cervix was smooth and firm, uterus was firm and movable and globularly enlarged to 16-18 weeks size.

She showed her CBC results:

Complete blood count: Hgb 6 g/dL; Hct 0.25, platelet 250,000 Blood type O+

### QUESTIONS:

- 1.What is your initial diagnosis at this time? Defend your diagnosis (state basis)
- 2.Give differential diagnosis
- 3.What other laboratory work-ups will you request to confirm your initial diagnosis/primary consideration?
- 4.Discuss the pathophysiology of this patient's condition
- 5.How will you manage this patient?