

UTERINE ARTERY EMBOLIZATION: A SUCCESSFUL TREATMENT OF A HUGE UTERINE FIBROID WITH UNDERLYING PULMONARY EMBOLISM: A CASE REPORT

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INTRODUCTION

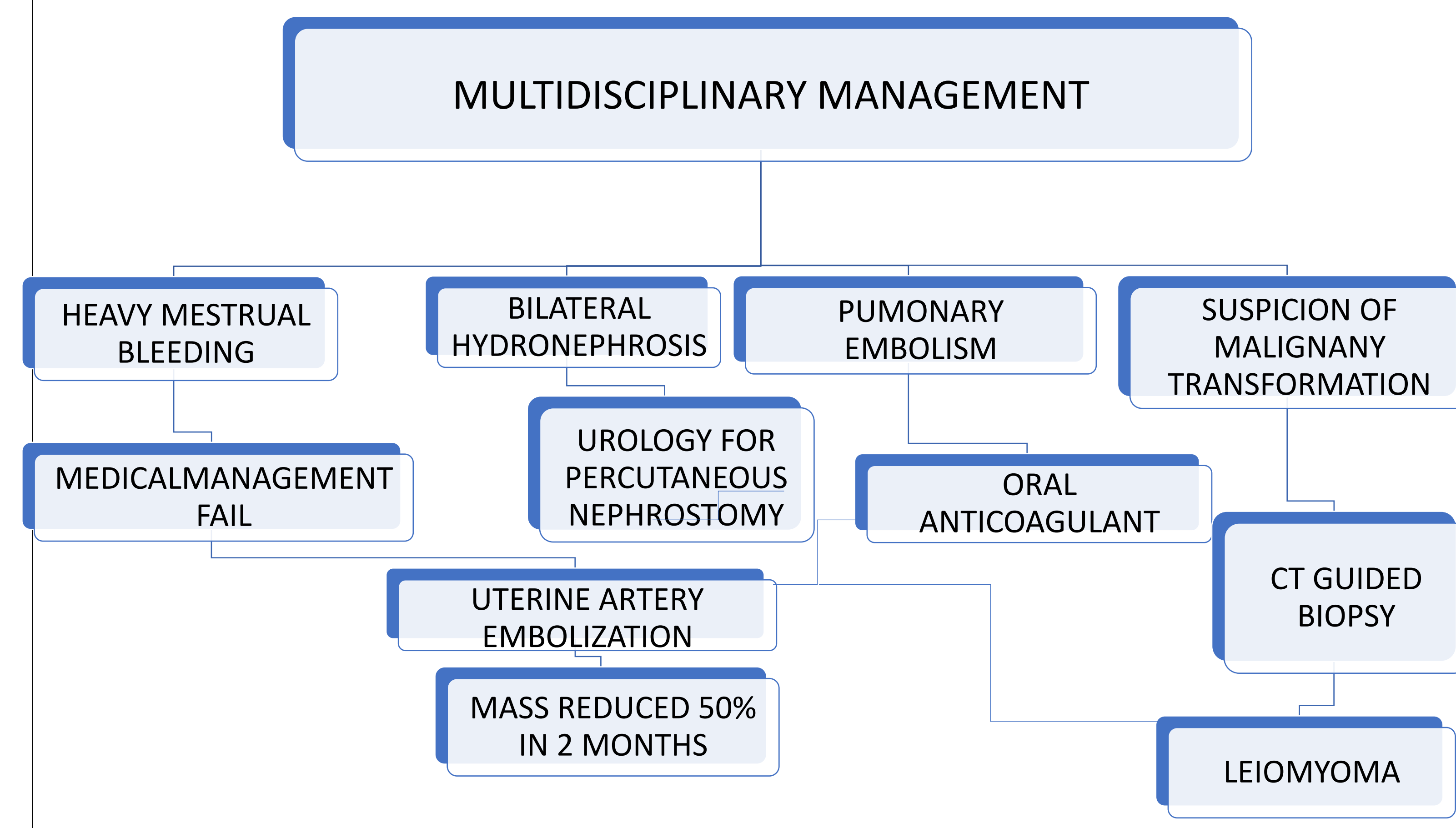
47 year old lady with uterine fibroid presented with worsening of heavy menstrual bleeding and progressive increase in uterine mass in 1 year. We were faced with multiple challenges in ruling out malignancy and complications caused by the compression effect of the mass

OBJECTIVE

To highlight

1. Differentiating benign and malignancy
2. Managing complication
 - Ureteric obstruction
 - Pulmonary embolism
 - Heavy menstrual bleeding

CASE REPORT



EMBOLIZATION

Embolization was done by interventional radiologist through her brachial artery into the uterine vessels using PVA particles



Fig 1:Right internal iliac artery embolization

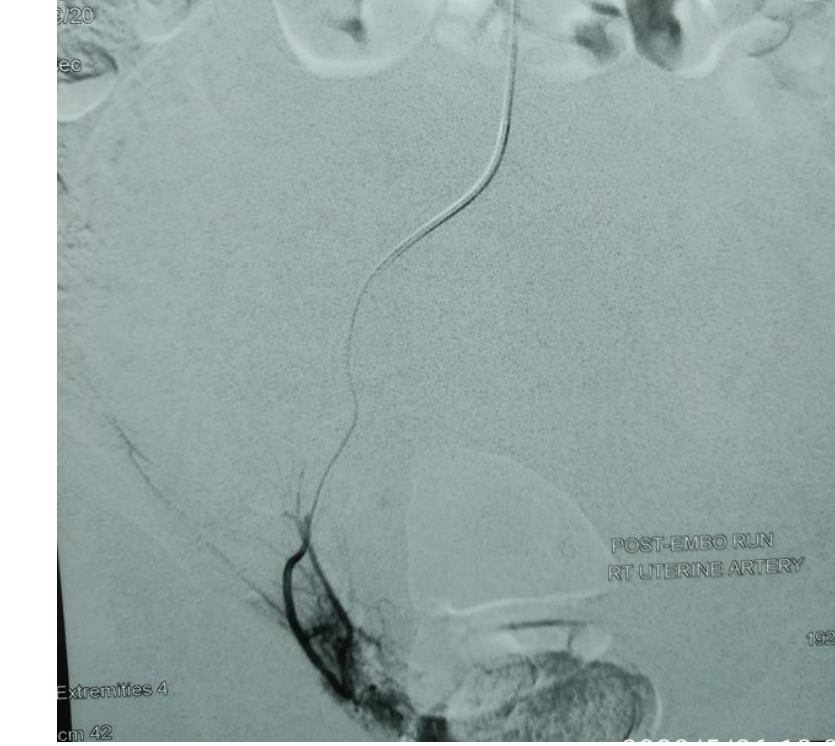


Fig 2:Right uterine artery embolization

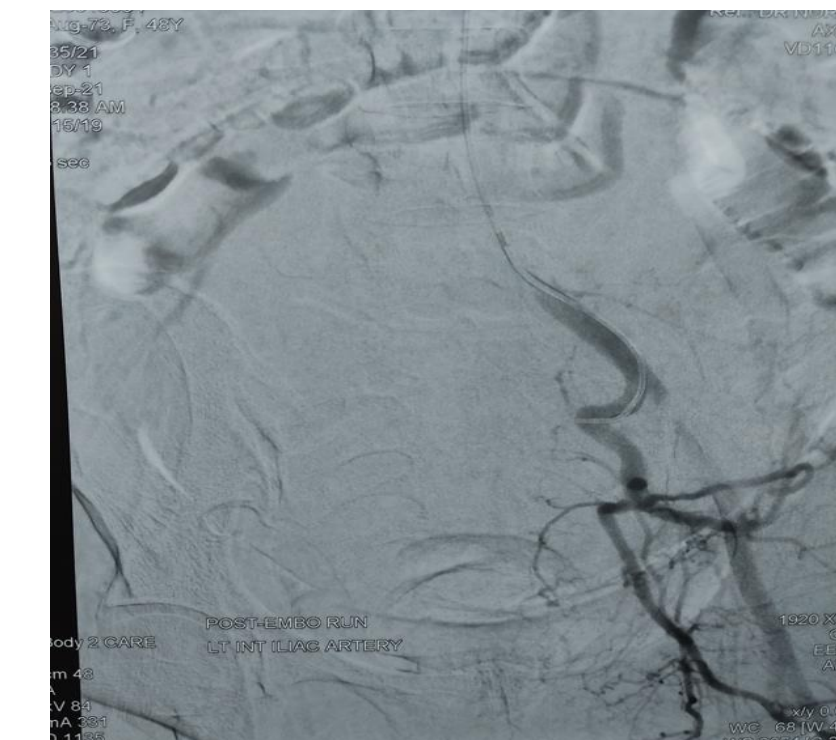


Fig 3:Left internal iliac artery embolization

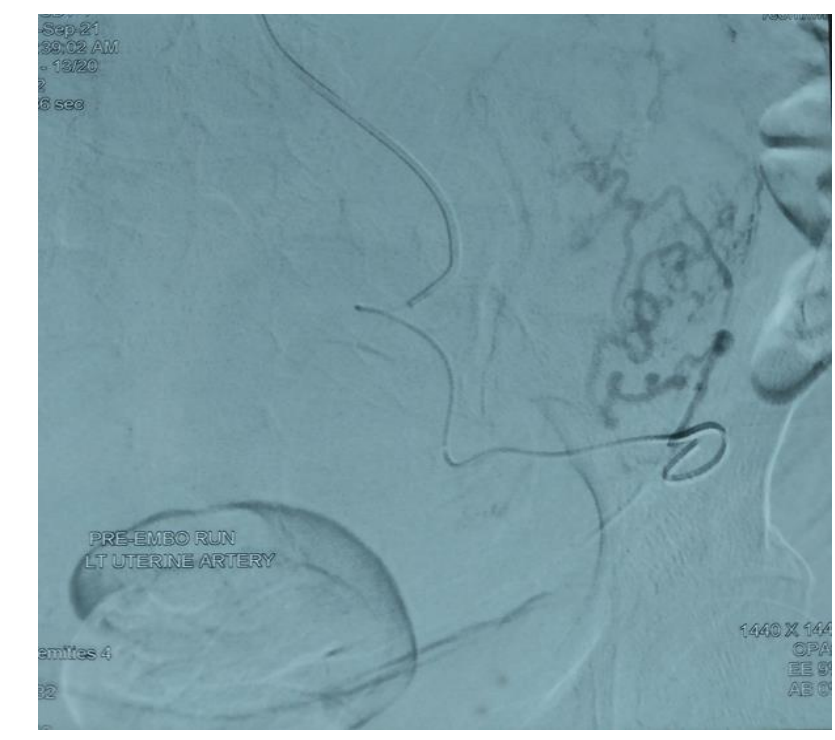


Fig 4:Left uterine artery embolization

POST EMBOLIZATION

1 MONTH

VAGINAL DISCHARGE

- Given prophylactic broad spectrum antibiotic

ANEMIA

- Transfusion
- Careful management of oral anticoagulant

2 MONTH

BILATERAL NEPHROPATHY RESOLVED

AMENORHOIC FOR 2 MONTH

UMBILICAL ARTERY EMBOLIZATION

SADDLE PULMONARY EMBOLISM RESOLVED WITHIN 2 MONTH

ABDOMINAL MASS REDUCED TO 50%

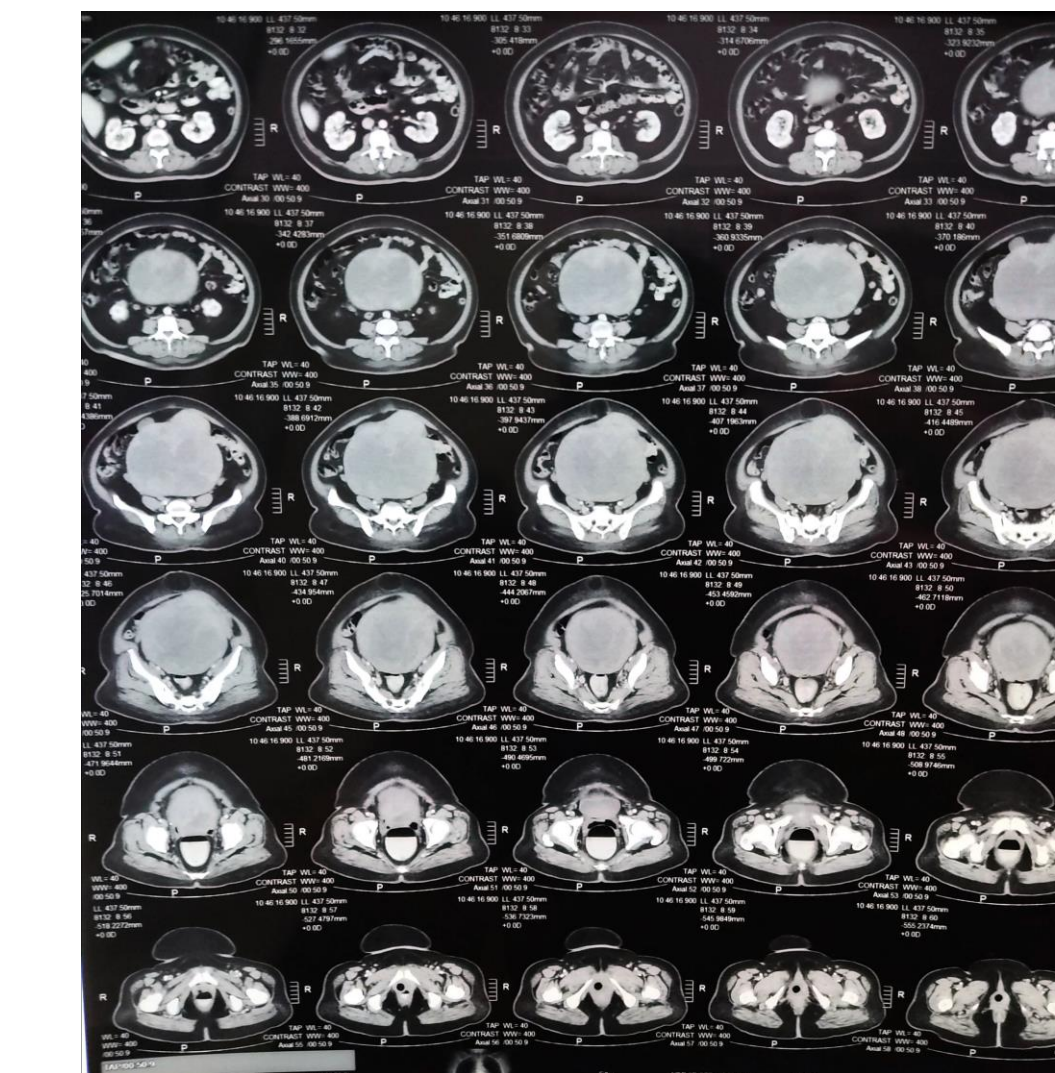


Fig 5: ct scan before embolization showing huge uterine fibroid

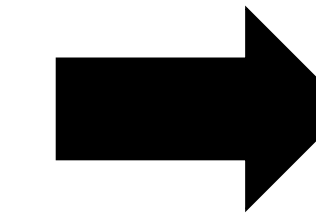
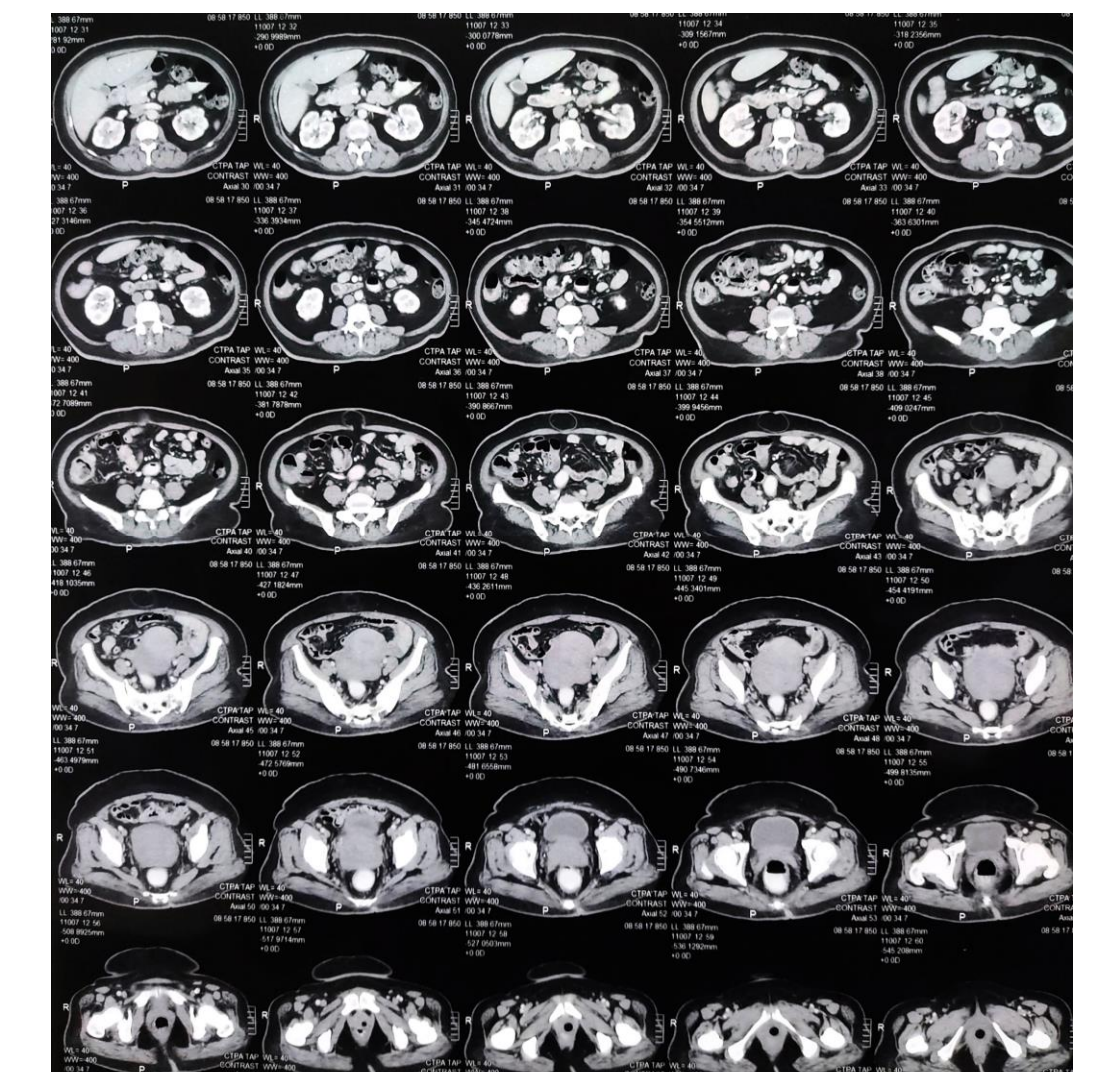


Fig 6: ct scan post embolization showing significant reduction of the size of the fibroid

DISCUSSION

The best management for this patient at this juncture will be a surgical management. However, we were faced with an obstacle of a recent pulmonary embolism which will put her at high mortality risk during the operation. An urgent intervention was required to manage her bleeding while managing her anticoagulant. There are case report stating pulmonary embolism as a possible immediate complication after uterine artery embolization. After a multidisciplinary team discussion with interventional radiology team, we decided to proceed with uterine artery embolization and carefully monitored after the procedure for any hematoma or respiratory distress. Once she has been stabilized, we started he oral anticoagulant for the treatment of pulmonary embolism .

REFERENCE

Hamoda, H., Tait, P., & Edmonds, D. K. (2009). Fatal pulmonary embolus after uterine artery fibroid embolization. *Cardiovascular and interventional radiology*, 32(5), 1080–1082. <https://doi.org/10.1007/s00270-009-9589-4>