

P512**Selective Salpingography and Fallopian Tube Interventions: An Educational Poster**

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Fallopian tube disease is a major cause of infertility. Hysterosalpinogram and selective salpingography may reveal the underlying pathology. Fallopian tubes recanalization or embolization may help improving the pregnancy rate in cases of tubes obstruction or hydrosalpinx, respectively. Fallopian Tube Recanalization: Obstruction of the uterine (proximal) segment of the fallopian tube can be seen in 10-20% of hysterosalpingograms and has a variety of underlying causes. Selective salpingography and fallopian tube recanalization may improve pregnancy rate by 15-60% within one year. Fallopian Tubes Embolization: Hydrosalpinx accounts for 10-30% of tubal pathologies in patients with secondary infertility, and it may affect the outcome of *in vitro* fertilization by reducing the probability of implantation and by increasing the risk of early pregnancy loss. While tubal embolization may not increase the rate of pregnancy, it may reduce the risk of abortion.

P513**Ultrasound-guided Thrombin Injection for Management of Iatrogenic Pseudoaneurysm: A National Institutional Experience**

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Background: Iatrogenic pseudoaneurysms (IPAs), are identified with increasing frequency in current clinical practice. Although small pseudoaneurysms (less than 1.0 cm in diameter) are usually asymptomatic, larger pseudoaneurysm can be painful and symptomatic require treatment. The aim of the study is to demonstrate our experience regarding the efficacy of ultrasound guided thrombin injection in the management of iatrogenic groin pseudoaneurysm. **Methods:** From 2007 to 2016, 61 pseudoaneurysms were injected with thrombin under ultrasound guidance using 20 to 25G needles. A total of 36 men and 21 women underwent this procedure with mean age of 62.3 years. The aneurysms were developed due to either non-ultrasound guided femoral arterial puncture prior cardiac catheterization (54 cases) or ultrasound guided femoral arterial puncture for abdominal arterial interventions (3 cases). All of the pseudoaneurysms were in the groin, 48 from the common femoral artery, 6 from the superficial femoral artery and 3 from the external iliac artery. Thrombin was injected under US guidance until achieving complete thrombosis in all cases. Thrombin dose ranged from 100 to 5000 IU depending on the size of the pseudoaneurysm. **Results:** Complete thrombosis of the pseudoaneurysm was achieved in 54 cases with a single injection of thrombin. Two case required second injection of thrombin to achieve thrombosis

and one case required stenting due to incomplete thrombosis. No complications related to thrombin have been encountered. **Conclusions:** Ultrasound-guided thrombin injection is effective and safe in the management of iatrogenic pseudoaneurysms.

P514**Successful Endovascular Control of Acquired Uterine Arterio-Venous Malformations Using N-Butyl Cyanoacrylate and Polyvinyl Alcohol Particles**

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Background: Uterine arteriovenous malformations are rare. However, they may present with life threatening bleeding. Traditionally hysterectomy is the mainstay therapy for these patients, however, increasing reports of successful control using endovascular techniques have recently surfaced using various embolic agents and techniques. Here we report two cases of acquired uterine arterio-venous malformations managed successfully using NBCA and PVA and their midterm follow up. **Case Report:** Two cases were referred to our interventional radiology department diagnosed by Doppler US and MRI as having uterine AVMs. The first cases presented with menometrorrhagia and significant blood loss during menstruation which necessitated blood transfusion on two separate episodes and refused to undergo hysterectomy. The second case presented in a state of hemodynamic shock following an attack of bleeding and had failed surgery due to extensive pelvic adhesions. Using standard endovascular techniques both uterine arteries were catheterized; glue was injected into the dominant feeding side and PVA was injected in the contralateral side. Both patients returned to their normal menstrual cycle with good control of bleeding. Clinical and radiological follow up was maintained for 29 month and 14 month for the cases, respectively. **Conclusions:** Endovascular management is a viable alternative in the control of uterine arterio-venous malformations in patients not eligible for surgery.

P515**Uterine Artery Embolisation for Post-partum Haemorrhage Associated with Placenta Accreta and AV Malformation: Case Report and Review of Literature**

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Background: Post partum haemorrhage secondary to placenta accrete is a serious complication of childbirth. The current available treatment ranges from emergency hysterectomy to uterine artery embolisation. We describe a patient who presented with PPH in whom retained placenta accreta associated with vascular malformation was successfully treated with uterine artery embolisation together with review of literatures. **Case Report:** A 38-year old nulliparus presented with significant post partum haemorrhage of 3.6 Liters, initially controlled by