level limitations. Addressing these barriers is essential to optimize subtype-directed management and improve long-term cardiovascular outcomes in patients with PA. Despite this, clinical outcomes were favorable. Strengthening adherence to diagnostic pathways, particularly subtype confirmation, may further improve patient outcomes.

EP_A004

SINGLE-STAGE ADRENALECTOMY AND HYSTERECTOMY FOR PHEOCHROMOCYTOMA WITH GIANT UTERINE FIBROID: A MULTIDISCIPLINARY PERIOPERATIVE CHALLENGE

Fei Bing Yong[1], Sarojini Devi Simanchalam[2], Hidayatil Alimi Keya Nordin[1], Nithiya Devi Kandasami[3], Sadhana Sadar Mahamad[3], Suhaimi Jaafar[4], Mohd Wajdi Zanuddin[1], Poh Shean Wong[2], Chin Voon Tong[1], Noor Lita Adam[2], Zanariah Hussein[1]

[1]Endocrine Unit, Medical Department, Endocrine Institute Hospital Putrajaya
[2]Endocrine Unit, Medical Department, Hospital Tuanku Jaafar
[3]Endocrine and Breast Surgery, Surgical Department, Hospital Putrajaya
[4]Anaesthesiology Department, Hospital Putrajaya
[5]Obstetrics and Gynaecology Department, Hospital Putrajaya

INTRODUCTION

Pheochromocytoma is a catecholamine-secreting adrenal tumor associated with major perioperative hemodynamic instability. When concurrent major pelvic pathology requires surgery, operative planning becomes particularly challenging. We describe the successful single-stage management of pheochromocytoma and a giant uterine fibroid, highlighting the importance of multidisciplinary coordination and perioperative optimization.

CASE

A 49-year-old female with symptomatic uterine fibroid was found to have proliferative endometrium on a pipelle biopsy. Computed tomography (CT) abdomen incidentally detected a right adrenal mass alongside a large posterior uterine fibroid (11.9 × 17.4 × 14.6 cm). CT adrenal protocol demonstrated a heterogeneously enhancing right adrenal mass (6.9 × 6.9 × 9.6 cm) with high unenhanced attenuation. Biochemical evaluation revealed markedly elevated 24-hour urinary metanephrine (4.7× upper limit) and normetanephrine (2.4× upper limit).

Following multidisciplinary discussions, a single-stage surgical approach was planned after careful assessment of feasibility and perioperative risk in view of the uncertain malignant potential of the pelvic mass and to minimize repeated exposure to anesthesia. Preoperative optimization included transitioning from terazosin to phenoxybenzamine, with subsequent addition of bisoprolol for hemodynamic control. The operative strategy prioritized pheochromocytoma resection first, given its potential for significant hemodynamic instability. Progression to hysterectomy was contingent upon achieving adequate intraoperative hemodynamic stability following adrenalectomy, with continuous reassessment by the anesthetic and surgical teams.

Right adrenalectomy was performed first, followed by total abdominal hysterectomy with bilateral salpingo-oophorectomy. Significant hemodynamic lability occurred during tumor manipulation, with hypertensive surges managed using sodium nitroprusside and remifentanil infusions. Following adrenal vein ligation and tumor removal, hypotension was managed with noradrenaline and additional adrenaline support as required. Total operative time was approximately 6 hours. Postoperatively, transient noradrenaline support was required but was rapidly weaned as hemodynamic stability was achieved.

CONCLUSION

Single-stage adrenalectomy and major pelvic surgery can be safely performed in selected patients with pheochromocytoma when guided by meticulous preoperative optimization, clear intraoperative sequencing, and close multidisciplinary coordination.

EP_A005

MIMICKING PHEOCHROMOCYTOMA: HYPERTENSIVE CRISIS FROM ADRENAL HEMATOMA IN JAK2-POSITIVE POLYCYTHEMIA RUBRA VERA

Dhanya Ganesan[1], Hwee Ching Tee[1], Jin Hui Ho[1], Shireen Siow Leng Lui[1]

[1]Diabetes and Endocrine Unit, Department of Medicine, Hospital Queen Elizabeth II

INTRODUCTION

Hemorrhagic suprarenal masses presenting with hypertensive emergency pose a significant diagnostic challenge, particularly when biochemical and radiological findings are inconclusive. The clinical presentation may mimic catecholamine-secreting tumors, necessitating consideration of a broad differential diagnosis, including pheochromocytoma, adrenocortical carcinoma, retroperitoneal hemorrhage, and hematological-related extramedullary lesions. Accurate diagnosis is essential, as management strategies differ significantly.