Pheocromocytoma of Adrenal gland - A Rare Tumor: Case Series

Dr. Parikh UR[1*], Dr. Goswami HM[2]. Deliwala DJ[3], Parikh SR[4] , Barot AH[5]

[1] Assistant Professor, Pathology Department, B. J. Medical College, Ahmedabad
[2] Professor & Head, Pathology Department, B. J. Medical College, Ahmedabad
[3] Second MBBS Student, B. J. Medical College, Ahmedabad
[4] First MBBS Student, B. J. Medical College, Ahmedabad
[5] Third MBBS Student, GMERS Medical College, Gandhinagar

Corresponding Author: Dr. Urvi R. Parikh

Email: urviparikh76@gmail.com

Abstract

Pheochromocytoma is a rare neoplasm arises from adrenal medulla composed of chromaffin cells that produce catecholamines. Most are sporadic tumors that present in the fourth and fifth decade of life. Classic triad of episodic headaches, sweating and tachycardia present in about 30%, while hypertension is present in almost 90 % of cases. Clinical suspicion with laboratory testing and imaging for confirmation. Histopathological examination is gold standard, but no single biomarker or histologic feature predicts malignancy. Pheochromocytoma of the Adrenal Gland Scaled Score (PASS) provides prognosis based on histologic features. Five patients of pheochromocytoma with PASS score are described with the aim to represent a rare neoplasm. They are positive for chromogranin, synaptophysin and S100.

Keywords: Pheochromocytoma, Adrenal gland, PASS