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Manuscript Type: EVIDENCE REVIEW

**Current trend in the diagnosis and management of malignant pheochromocytoma:
Clinical and prognostic factors**

Cassell III AK *et al.* Current trend in the management of malignant pheochromocytoma

Ayun K Cassell III, Abdoul Halim Bague

Abstract

Pheochromocytomas are tumors arising from the chromaffin cell of the adrenal gland

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Publish Year: 2011

[Outcomes of Patients with Metastatic Pheochromocytoma ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5854189>

Choi YM, Sung T-Y, Kim WG, et al. Clinical course and prognostic factors in patients with malignant pheochromocytoma and paraganglioma: A single institution experience. Journal of Surgical Oncology. 2015; 112 (8):815–821. [Google Scholar]

Cited by: 20

Author: Oksana Hamidi, William Francis Young, ...

Publish Year: 2017

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Treatment of malignant pheochromocytoma/paraganglioma with ...

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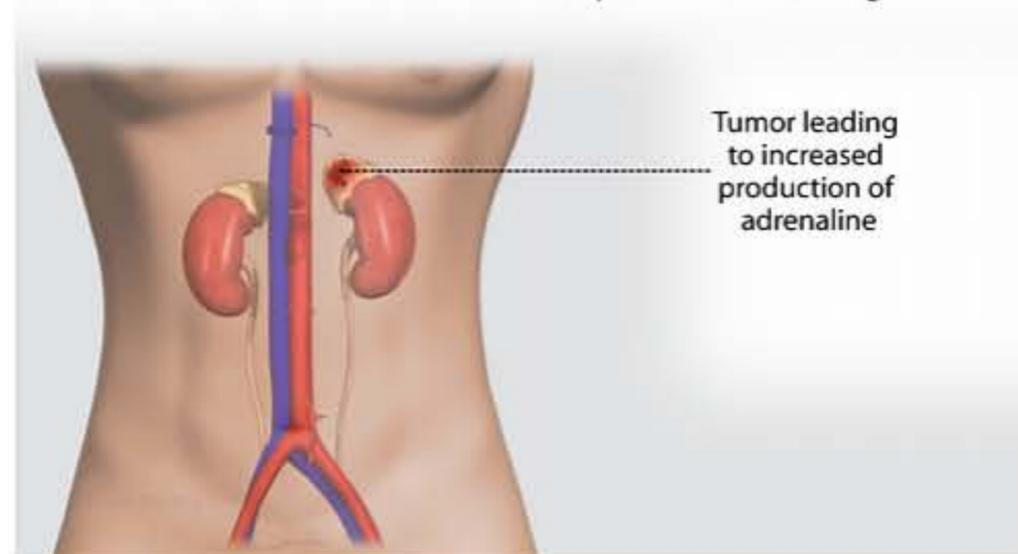
Mei L, Khurana A, Al-Juhaishi T, et al. **Prognostic Factors of Malignant Pheochromocytoma** and

<https://global.bing.com/?FORM=Z9FD1> paraganglioma: A Combined SEER and TCGA Databases Review. Horm Metab Res 2019;51:451-7.

Pheochromocytoma

Medical Condition

Non-cancerous tumor that develops in the adrenal gland



A tumor originating in cells of the adrenal gland that causes overproduction of certain hormones.

Very rare (Fewer than 20,000 cases per year in US)

Often requires lab test or imaging

Treatment from medical professional advised

Can last several years or be lifelong

Pheochromocytomas are largely familial. They are associated with genetic mutations and syndromes. High blood pressure, sweating, rapid heartbeat and difficulty in breathing are some of the symptoms. Treatment involves surgery to remove the tumor.

Symptoms

The most common symptoms are :