



## The Cortisol Clue: Diagnosing Hypercortisolism in People with Difficult-to-Control Cardiometabolic Conditions

Anderson GH Jr, Blakeman N, Streeten DH. The effect of age on prevalence of secondary forms of hypertension in 4429 consecutively referred patients. *J Hypertens*. 1994;12:609-615.

Aresta C, Soranna D, Giovanelli L, et al. When to Suspect Hidden Hypercortisolism in Type 2 Diabetes: A Meta-Analysis. *Endocr Pract*. 2021;27(12):1216-1224.

Babic N, Yeo KTJ, Hannoush ZC, Weiss RE. Endocrine Testing Protocols: Hypothalamic Pituitary Adrenal Axis. 2023 Aug 7. In: Feingold KR, Adler RA, Ahmed SF, et al, editors. *Endotext* [Internet]. South Dartmouth (MA): MDText.com, Inc.; 2000-. PMID: 25905177.

Bansal V, El Asmar N, Selman WR, Arafah BM. Pitfalls in the diagnosis and management of Cushing's syndrome. *Neurosurg Focus*. 2015;38(2):E4.

Bhatt DL, Taub P, Laffin L, et al. Prevalence And Clinical Impact Of Hypercortisolism In Individuals With Resistant Hypertension: Primary Results From The Momentum Study. Presented at American College of Cardiology's Annual Scientific Session (ACC.26). March 27-30, 2026. New Orleans, LA. Available at: ACC 75th Annual Scientific Sessions - Prevalence And Clinical Impact Of Hypercortisolism In Individuals With Resistant Hypertension: Primary Results From The Momentum Study. Accessed April 1, 2026.

Braun LT, Vogel F, Zopp S, et al. Whom Should We Screen for Cushing Syndrome? The Endocrine Society Practice Guideline Recommendations 2008 Revisited. *J Clin Endocrinol Metab*. 2022;107(9):e3723-e3730.

Braun LT, Riester A, Oßwald-Kopp A, et al. Toward a Diagnostic Score in Cushing's Syndrome. *Front Endocrinol (Lausanne)*. 2019;10:766.

Buse JB, Kahn SE, Aroda VR, et al; CATALYST Investigators\*. Prevalence of hypercortisolism in difficult-to-control type 2 diabetes. *Diabetes Care*. 2025;48(12):2012-2020.

Cannizzaro E, Cirrincione L, Mazzucco W, et al. Night-Time Shift Work and Related Stress Responses: A Study on Security Guards. *Int J Environ Res Public Health*. 2020;17(2):562.

Casals G, Hanzu FA. Cortisol Measurements in Cushing's Syndrome: Immunoassay or Mass Spectrometry? *Ann Lab Med*. 2020;40(4):285-296.

Chiodini I, Vainicher CE, Morelli V, et al. MECHANISMS IN ENDOCRINOLOGY: Endogenous subclinical hypercortisolism and bone: a clinical review. *Eur J Endocrinol*. 2016;175(6):R265-R282.

Dekkers OM, Horváth-Puhó E, Jørgensen JO, et al. Multisystem morbidity and mortality in Cushing's syndrome: a cohort study. *J Clin Endocrinol Metab*. 2013;98(6):2277-2284.

Fallo F, Di Dalmazi G, Beuschlein F, et al. Diagnosis and management of hypertension in patients with Cushing's syndrome: a position statement and consensus of the Working Group on Endocrine Hypertension of the European Society of Hypertension. *J Hypertens*. 2022;40(11):2085-2101.

Flowers KC, Shipman KE. Pitfalls in the Diagnosis and Management of Hypercortisolism (Cushing Syndrome) in Humans; A Review of the Laboratory Medicine Perspective. *Diagnostics (Basel)*. 2023;13(8):1415.

Kidambi S, Raff H, Findling JW. Limitations of nocturnal salivary cortisol and urine free cortisol in the diagnosis of mild Cushing's syndrome. *European J Endocrinol*. 2007;157: 725-731.



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Limumpornpetch P, Morgan AW, Tiganescu A, et al. The Effect of Endogenous Cushing Syndrome on All-cause and Cause-specific Mortality. *J Clin Endocrinol Metab.* 2022;107(8):2377-2388.

Martins LC, Conceição FL, Muxfeldt ES, Salles GF. Prevalence and associated factors of subclinical hypercortisolism in patients with resistant hypertension. *J Hypertens.* 2012;30(5):967-73.

Nieman LK, Biller BM, Findling JW, et al. The diagnosis of Cushing's syndrome: an Endocrine Society Clinical Practice Guideline. *J Clin Endocrinol Metab.* 2008;93(5):1526-1540.

Nieman LK. Cushing's syndrome: update on signs, symptoms and biochemical screening. *Eur J Endocrinol.* 2015;173(4):M33-M38.

Omura M, Saito J, Yamaguchi K, et al. Prospective study on the prevalence of secondary hypertension among hypertensive patients visiting a general outpatient clinic in Japan. *Hypertens Res.* 2004;27(3):193-202.

Ortiz R, Kluwe B, Lazarus S, Teruel MN, Joseph JJ. Cortisol and cardiometabolic disease: a target for advancing health equity. *Trends Endocrinol Metab.* 2022;33(11):786-797.

Page-Wilson G, Oak B, Silber A, et al. Evaluating the burden of endogenous Cushing's syndrome using a web-based questionnaire and validated patient-reported outcome measures. *Pituitary.* 2023;26(4):364-374.

Paschou SA, Kandarakis E, Dimitropoulou F, et al. Subclinical Cushing's syndrome in patients with bilateral compared to unilateral adrenal incidentalomas: a systematic review and meta-analysis. *Endocrine.* 2016;51(2):225-235.

Plutzky J, Taub PR, Bhatt DL, et al. Investigating Endogenous Hypercortisolism Prevalence in a U.S. Population With Resistant Hypertension: MOMENTUM Rationale and Design. *JACC Adv.* 2026;5(3):102596.

Pivonello R, Isidori AM, De Martino MC, et al. Complications of Cushing's syndrome: state of the art. *Lancet Diabetes Endocrinol.* 2016;4(7):611-629.

Prete A, Subramanian A, Bancos I, et al; ENSAT EURINE-ACT Investigators\*; ENSAT EURINE-ACT Investigators. Cardiometabolic Disease Burden and Steroid Excretion in Benign Adrenal Tumors : A Cross-Sectional Multicenter Study. *Ann Intern Med.* 2022;175(3):325-334.

Reincke M, Fleseriu M. Cushing Syndrome: A Review. *JAMA.* 2023;330(2):170-181.

Samson SL, Vellanki P, Blonde L, et al. American Association of Clinical Endocrinology Consensus Statement: Algorithm for Management of Adults With Type 2 Diabetes - 2026 Update. *Endocr Pract.* 2026;S1530-891X(26)00022-4.

Sandooja R, Hamidi O, Zhang CD, et al. Bilateral Adrenal Nodules Presenting With Mild Autonomous Cortisol Secretion. *Endocr Pract.* 2025;31(8):1071-1083.

Scoffings K, Morris D, Pullen A, et al. Recognising and diagnosing Cushing's syndrome in primary care: challenging but not impossible. *Br J Gen Pract.* 2022;72(721):399-401.

Sharma ST, Nieman LK, Feelders RA. Cushing's syndrome: epidemiology and developments in disease management. *Clin Epidemiol.* 2015;7:281-293.

Steffensen C, Pereira AM, Dekkers OM, Jørgensen JO. DIAGNOSIS OF ENDOCRINE DISEASE: Prevalence of hypercortisolism in type 2 diabetes patients: a systematic review and meta-analysis. *Eur J Endocrinol.* 2016;175(6):R247-R253.



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Steffensen C, Dekkers OM, Lyhne J, et al. Hypercortisolism in Newly Diagnosed Type 2 Diabetes: A Prospective Study of 384 Newly Diagnosed Patients. *Horm Metab Res.* 2019;51(1):62-68.

Valassi E, Chiodini I, Feelders RA, et al. Unmet needs in Cushing's syndrome: the patients' perspective. *Endocr Connect.* 2022;11(7):e220027.

van Hulsteijn LT, Pasquali R, Casanueva F, et al. Prevalence of endocrine disorders in obese patients: systematic review and meta-analysis. *Eur J Endocrinol.* 2020;182(1):11-21.

Yorke E, Atiase Y, Akpalu J, Sarfo-Kantanka O. Screening for Cushing Syndrome at the Primary Care Level: What Every General Practitioner Must Know. *Int J Endocrinol.* 2017;2017:1547358.