

Table 6. False positive cases according to the cutoff values used in Cushing's syndrome screening in previous studies

Author, Study year	DM patients included in study n	Cutoff value	Suppressed patients in terms of cut-off values n (%)	Patients without verification test	Non-suppressed patients n	Patients suppressed with a second test (UFC, 2 day 2 mg, etc.) n	The false positive rate of 1 mg DST %
Studies using 1 mg DST as a screening test							
Leibowitz, ⁵ 1996	90	5 µg/dL	85 (94)	-	5	2	2.2
Catargi, ⁶ 2003	200	2.1 µg/dL	148 (74)	8	52	30	16.8
Chiodini, ⁷ 2005	294	1.8 µg/dL	243 (82)	-	51	16	6.1
Reimondo, ¹⁷ 2007	99	3.9 µg/dL	94 (94)	-	5	4	4
Newsome, ¹⁸ 2008	171	1.8 µg/dL	140 (81)	-	31	30	17.5
Murakami, ¹⁶ 2010	90	3 µg/dL	81 (90)	-	9	1	1.1
Terzolo, ¹⁹ 2012	813	5 µg/dL	773 (95)	-	40	34	4.1
Gungunes, ²⁰ 2014	277	1.8 µg/dL	262 (94)	-	15	13	4.6
Present study, 2015	250	1.8 µg/dL	218 (87)	-	32	27	10.8
Studies using salivary cortisol as a screening test							
							The false positive rate of LNSC %
Lui, ²¹ 2005	141	Once ≥8 or twice ≥4.3 nmol/L	113 (80)	7	21	17	12
Gagliardi, ²² 2010	100	13 nmol/L	97 (97)	-	3	3	3
Mullan, ¹⁰ 2010	201	10 nmol/L	154 (76)	12	35	35	17.4
Ellis, ²³ 2012	40	10 nmol/L	28 (70)	-	12	12	30
Studies using salivary cortisol and 1 mg DST as a screening test							
Caetano ²⁴ 2007	102	LNSC: 7 nmol/L Post 1 mg DST serum cortisol: 1.8 µg/dL Post 1 mg DST saliva: 1.3 nmol/L	61 (70)	1	33: One abnormal test (12 NLSC, 21 post DST serum or saliva) 8: Two abnormal tests	38	ND

DM: diabetes mellitus, ND: no data, UFC: urine free cortisol, DST: dexamethasone suppression test, LNSC: late-night salivary cortisol.