

**Table 5.** Screening of Cushing's syndrome in patients with T1DM and T2DM

Author, Study year	Patients (n) (T2DM)	Age (years)	Diabetes duration (years)	Presence of HT (%)	BMI kg/m <sup>2</sup>	HbA1c (%)	Cushingoid appearance	Screening method	SCS patient n	Prevalance of proven CS (%)	Comparison group	Complications
<b>Studies with patients hospitalized because of poor metabolic control</b>												
Leibowitz, <sup>5</sup> 1996	85 and 5 T1DM	21-78	ND	ND	>25	>9	No	1 mg DST	3	3.3	No	NE
Catargi, <sup>6</sup> 2003	200	22-84	10.5±8.4	75	>25	>8	No	1 mg DST	11	2	No	NE
Chiodini, <sup>7</sup> 2005	294	30-82	0-40	63.7	>19	9.6±2.4	No	1 mg DST	30	9.4	189 nonDM	NE
Taniguchi, <sup>9</sup> 2008	77	61±13	ND	ND	25±4.2	10.4±2.1	No	1 mg DST to patients with serum midnight cortisol >5	2	2.6	No	NE
Murakami, <sup>16</sup> 2010	90	55.3±13.2	10.5±9.3	ND	25.4±4.6	9.2±2.7	No	1 mg DST	8	8.9	No	DRP 32% DNP 27% DPN 43%
<b>Studies using 1 mg DST as a screening test in outpatient subjects</b>												
Reimondo, <sup>17</sup> 2007	92 and 7 T1DM	30-87	New diagnosis	48.9-55.8	>21.1	5.7-16.6	No	1 mg DST	1	1	No	NE
Newsome, <sup>18</sup> 2008	171	18-80	>1y1l	ND	>25	ND	Yes	1 mg DST	0	0	No	NE
Terzolo, <sup>19</sup> 2012	813	25-70	1-20	71.7	>25	8.4±1.9	No	1 mg DST	6	0.7	No	NE
Gungunes, <sup>20</sup> 2014	277	26-80	1-36	53.1	35.4±6.8	>7	No	1 mg DST	2	0.72	No	NE
Present study	250	41-78	2-29	76.4	>25	>8	No	1 mg DST	5	2.0	150 HbA1c ≤6.5% T2DM	DRP 35.2% DNP 52.8% DPN 28%
<b>Studies using NLSC as a screening test in outpatient subjects</b>												
Lui, <sup>21</sup> 2005	141	61.8±9	ND	ND	34.5±7.1	7.9±1.8	No	LNCS	0	0	46 nonDM	NE
Gagliardi, <sup>21</sup> 2010	106	40-75	11.6±7.3	67.3	>25	>8	No	LNCS	0	0	No	NE
Ellis, <sup>23</sup> 2012	40	31-75	ND	ND	>30	6.2-11.6	No	LNCS	5	0	No	NE
Mullan, <sup>10</sup> 2010	201	60.5±0.8	ND	85.1	>25	8.4±0.1	No	LNCS	0	0	No	NE
<b>Study using NLSC and 1 mg DST as a screening test in outpatient subjects</b>												
Caetano, <sup>24</sup> 2007	103	36-82	10.8±7.5	81.5	>25	5.1-15.6	No	LNCS + 1mg DST (saliva/serum)	3	3	No	103

ND: no data; NE: not evaluated; T1DM: type 1 diabetes mellitus; T2DM: type 2 diabetes mellitus; HT: hypertension; BMI: body mass index; SCS: subclinical Cushing's syndrome; CS: Cushing's syndrome; LNCS: late-night salivary cortisol; DNP: diabetic nephropathy; DPN: diabetic polyneuropathy; DRP: diabetic retinopathy; DST: dexamethasone suppression test.