

On-line Table 1: Detailed data of the patients analyzed in this study

Case	Age (yr)	Sex	Secretory Hormone	Adenoma Verification	MRI Diagnosis	CT Diagnosis	Tumor (mm)		AUC		
							Maximum Diameter	Measurement Modality	Pituitary	Adenoma	rAUC
1 ^a	48	F	ACTH	Histologic	Correct	Correct	2.5	CT	505.5	362.6	0.72
2	37	F	ACTH	Histologic	Undetectable	Correct	3.8	CT	386.1	356.1	0.92
3	23	F	ACTH	Histologic	Undetectable	Correct	5.7	CT	391.3	321.3	0.82
4	40	F	ACTH	Histologic	Correct	Correct	7.0	MRI	356.1	299.2	0.84
5 ^b	57	F	ACTH	Histologic (recurrent case)	Undetectable	Correct	2.1	CT	475.9	390.4	0.82
6	39	F	ACTH	Decreased cortisol postop	Undetectable	Undetectable	Unmeasurable				
7	57	F	ACTH	Histologic	Correct	Correct	8.5	MRI	380.2	317.5	0.83
8	48	F	ACTH	Complete remission of Cushing disease	Undetectable	Correct	3.5	CT	397.5	308.2	0.78
9	54	F	ACTH	Histologic	Undetectable	Correct	3.6	CT	321.6	233.1	0.72
10	45	F	ACTH	Histologic	Undetectable	Correct	2.4	CT	519.5	229.1	0.44
11	37	M	ACTH	Histologic	Undetectable	Undetectable	Unmeasurable				
12	16	F	ACTH	Histologic	False-positive	Correct	4.1	CT	423.1	266.4	0.63
13	47	F	ACTH	Histologic	Correct	Correct	4.0	MRI	405.0	336.2	0.83
14 ^a	57	M	GH	Histologic	Correct	Correct	4.4	MRI	329.7	217.6	0.66
15	39	M	GH	Histologic	Correct	Correct	7.7	MRI	293.5	200.0	0.68
16 ^c	51	F	GH	Histologic	Correct	Correct	8.7	MRI	402.7	265.8	0.66
17 ^c	62	M	GH	Histologic	Correct	Correct	10.0	MRI	335.9	228.7	0.68
18	68	F	GH	Histologic	Correct	Correct	3.9	MRI	391.3	258.3	0.66
19 ^c	39	M	GH	Histologic	Correct	Correct	7.8	MRI	308.3	260.7	0.85
20 ^c	27	F	PRL	Histologic	Undetectable	Correct	5.7	CT	522.6	323.3	0.62
21	33	F	PRL	Histologic	Correct	Correct	3.5	MRI	413.6	303.1	0.73
22	25	F	PRL	Histologic	Undetectable	Correct	8.1	CT	511.4	297.5	0.58
23	34	F	PRL	Histologic	Correct	Correct	4.6	CT	450.6	286.8	0.64
24 ^c	35	F	PRL	Histologic	Correct	Correct	7.2	MRI	506.1	277.9	0.55
25	38	F	PRL	Histologic	Correct	Correct	5.7	MRI	515.2	228.5	0.44
26	42	F	PRL	Histologic	Undetectable	Correct	6.2	CT	501.0	315.4	0.63
27 ^c	37	F	PRL	Histologic	Undetectable	Correct	2.5	CT	417.4	339.7	0.81
28	28	F	PRL	Histologic	Correct	Correct	6.9	MRI	421.3	266.3	0.63

Note:—GH indicates growth hormone; postop, postoperative.

^a For these 2 cases, dynamic CT was performed at 60, 90, 120, and 150 seconds after contrast enhancement agent injection.

^b For this case, 3-phase dynamic CT was performed at 40, 80, and 120 seconds after contrast enhancement agent injection.

^c For these 6 cases, MRI was performed under a magnetic field strength of 1.5T.

On-line Table 2: MRI parameters

Field Strength	Vendor	Model	T1WI					T2WI				
			TR (ms)	TE (ms)	Flip Angle	Section Thickness (mm)	Resolution (mm)	TR (ms)	TE (ms)	Flip Angle	Section Thickness (mm)	Resolution (mm)
1.5	GE Healthcare	Signa Genesis	500	9.57	90°	3	0.83	4000	88	90°	3	0.71
	GE Healthcare	Signa Excite	400	9	90°	3	0.625	4000	111	90°	3	0.31
	Siemens	Magnetom Vision Plus	420	14	90°	3	0.625	4000	96	180°	3	0.625
3	GE Healthcare	Signa HDxt	2650	7.24	90°	3	0.625	4500	85	90°	3	0.31
	Philips Healthcare	Achieva	2000	10	90°	3	0.31	3000	80	90°	3	0.29
	Philips Healthcare	Ingenia	560	12.5	90°	3	0.5	3000	100	90°	3	0.5