

**Supplemental Table S1.** Distribution of Diagnostic Category and Surgical Outcome of Thyroid Core Needle Biopsy in Three Institutions

CNB	Present study (n=1,381)		Institution A [28] (n=2,687)		Institution B [29] (n=2,267)	
Study year	2018–2019		2013–2015		2015	
Category I	39 (2.8)		164 (6.1)		133 (5.9)	
Category II	841 (60.9)		1,023 (38.1)		869 (38.3)	
Category III	17 (1.2)		472 (17.6)		556 (24.5)	
Category IV	241 (17.5)		275 (10.2)		172 (7.6)	
Category V	7 (0.5)		100 (3.7)		58 (2.6)	
Category VI	236 (17.1)		653 (24.3)		479 (21.10)	
ROM in histologically confirmed cases	NIFTP+Cancer	Malignancy	NIFTP+ Cancer	Malignancy	NIFTP+Cancer	Malignancy
Category I	5/9 (56)	5/9 (56)	7/10 (70)	7/10 (70)	NA	NA
Category II	3/28 (11)	2/28 (7)	2/52 (4)	2/52 (4)	NA	NA
Category III	1/4 (25)	1/4 (25)	50/143 (35)	39/143 (27)	85/162 (52)	60/162 (37)
Category IV	78/148 (53)	64/148 (43)	92/161 (57)	72/161 (45)	61/105 (58)	47/105 (45)
Category V	4/4 (100)	4/4 (100)	69/69 (100)	68/69 (99)	NA	NA
Category VI	236/236 (100)	236/236 (100)	511/511 (100)	511/511 (100)	NA	NA

Values are expressed as number (%).

CNB, core needle biopsy; ROM, risk of malignancy; NIFTP, noninvasive follicular thyroid neoplasm with papillary-like nuclear feature; NA, not available.