# Non-diagnostic results

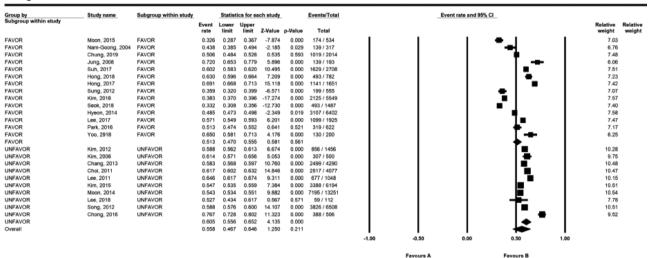
Group by Subgroup within study	Study name	Subgroup within study	Statistics for each study				Events/Total			Event rate and 95% CI					
			Event rate	Lower limit		Z-Value	p-Value	Total						Relative weight	Rel
AVOR	Moon, 2015	FAVOR	0.116	0.092	0.146	-15.027	0.000	62 / 534	- 1		1 .	- 1		7.07	,
AVOR	Nam-Goong, 2004	FAVOR	0.319	0.270	0.372	-6.306	0.000	101 / 317			I	-		7.24	į.
AVOR	Chung, 2019	FAVOR	0.103	0.091	0.117	-29.518	0.000	208 / 2014		- 1	I .	_		7.71	
AVOR	Jung. 2008	FAVOR	0.052	0.028	0.094	-8.951	0.000	10 / 193		- 1	e-			4.52	2
AVOR	Suh, 2017	FAVOR	0.121	0.110	0.134	-33.634	0.000	329 / 2708						7.82	2
AVOR	Hong, 2018	FAVOR	0.132	0.110	0.157	-17.835	0.000	103 / 782			1 1			7,41	
AVOR	Hong, 2017	FAVOR	0.048	0.039	0.059	-25.938	0.000	79 / 1651		- 1	<b> </b> ■			7.30	)
AVOR	Sung, 2012	FAVOR	0.061	0.044	0.085	-15.420	0.000	34 / 555			1.			6.52	2
AVOR	Kim, 2018	FAVOR	0.131	0.122	0.140	-47.555	0.000	727 / 5549		- 1	I⁻∎			7.92	2
AVOR	Seok, 2018	FAVOR	0.208	0.188	0.229	-20.938	0.000	309 / 1487						7.78	3
AVOR	Hyeon, 2014	FAVOR	0.067	0.061	0.073	-52.681	0.000	428 / 6402		- 1	I∎ <sup>-</sup>			7.87	,
AVOR	Lee, 2017	FAVOR	0.094	0.081	0.107	-29.016	0.000	180 / 1925			1			7.67	7
AVOR	Park, 2016	FAVOR	0.150	0.124	0.180	-15.460	0.000	93 / 622		- 1	-			7.34	į.
AVOR	Yoo, 2918	FAVOR	0.110	0.074	0.161	-9.251	0.000	22 / 200			I -			5.83	į.
AVOR			0.112	0.093	0.134	-19.844	0.000			- 1	I₹				
NFAVOR	Kim, 2012	UNFAVOR	0.115	0.099	0.132	-24.849	0.000	167 / 1456			l 🗎			10,59	,
NFAVOR	Kim, 2008	UNFAVOR	0.058	0.041	0.082	-14.570	0.000	29 / 500		- 1	∎			8.76	į.
NFAVOR	Chang, 2013	UNFAVOR	0.181	0.170	0.193	-38.079	0.000	776 / 4290						10.99	)
NFAVOR	Choi, 2011	UNFAVOR	0.161	0.150	0.173	-38.729	0.000	657 / 4077		- 1	1 🖬			10.97	,
NFAVOR	Lee, 2011	UNFAVOR	0.104	0.087	0.124	-21.282	0.000	109 / 1048			■			10.34	1
NFAVOR	Kim, 2015	UNFAVOR	0.123	0.115	0.131	-50.784	0.000	761 / 6194		- 1	1 1			10.99	,
NFAVOR	Moon, 2014	UNFAVOR	0.157	0.151	0.164	-70.349	0.000	2084 / 13251		- 1	1 1			11.07	,
NFAVOR	Lee, 2018	UNFAVOR	0.089	0.049	0.158	-7.009	0.000	10 / 112		- 1	te-			6.15	į
NFAVOR	Song, 2012	UNFAVOR	0.214	0.204	0.224	-43.058	0.000	1392 / 6508	1	- 1			- 1	11.04	1
NFAVOR	Chong, 2016	UNFAVOR	0.071	0.052	0.097	-14.857	0.000	36 / 506	1	- 1	I∎ <sup>-</sup>		- 1	9.11	
NFAVOR			0.124	0.100	0.153	-15.878	0.000		1	- 1	1⁻♦		- 1		
verall			0.117	0.102	0.134	-25.404	0.000		ı	- 1	1 🕯	ı	- 1		
									-1.00	-0.50	0.00	0.50	1.00		
										Favours A		Favours B			

A

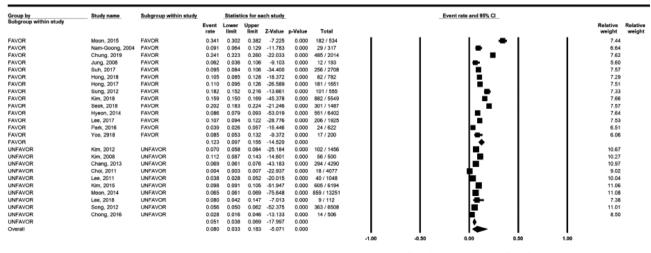
B

**G** 

# Benign results



# AUS/FLUS results



Supplementary Fig. 3. Forest plot for proportional analysis of rate for the diagnosis according to the Bethesda system; comparison between institute favoring and un-favoring CNB. (A) Non-diagnostic results. (B) Benign results. (C) Atypia of undetermined significance/follicular lesion of undetermined significance (AUS/FLUS) results. (Continued to the next page)

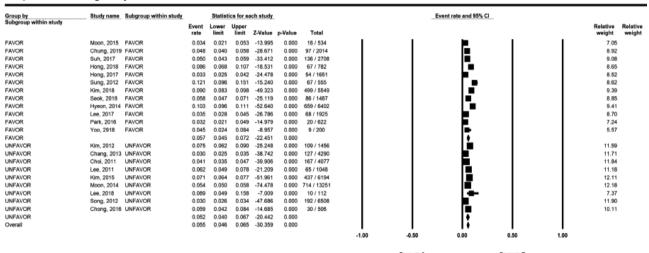
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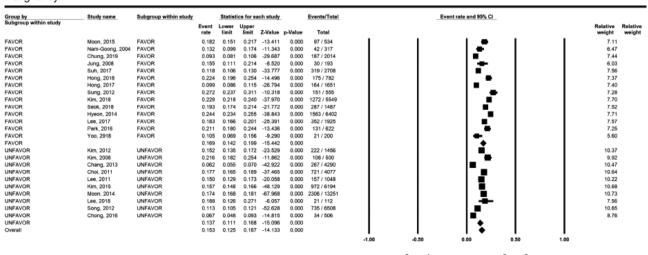
# FN/SFN results

Group by Subgroup within study	Study name	Subgroup within study	Statistics for each study							Event rate and 95% CI					
			Event rate	Lower limit	Upper limit	Z-Value	p-Value	Total						Relative weight	Rela wei
AVOR	Moon, 2015	FAVOR	0.002	0.000	0.013	-6.273	0.000	1 / 534	- 1	- 1	٠	- 1	- 1	5.18	
AVOR	Nam-Goong, 2004	FAVOR	0.013	0.005	0.033	-8.665	0.000	4/317					- 1	7.41	
AVOR	Chung, 2019	FAVOR	0.009	0.006	0.014	-19.887	0.000	18 / 2014					- 1	8.35	
AVOR	Suh, 2017	FAVOR	0.014	0.011	0.020	-26.200	0.000	39 / 2708					- 1	8.52	
AVOR	Hong, 2018	FAVOR	0.006	0.003	0.015	-11.247	0.000	5 / 782					- 1	7.63	
AVOR	Hong, 2017	FAVOR	0.019	0.014	0.027	-21.980	0.000	32 / 1651					- 1	8.49	
AVOR	Sung. 2012	FAVOR	0.005	0.002	0.017	-9.008	0.000	3 / 555					- 1	7.07	
AVOR	Kim, 2018	FAVOR	0.008	0.006	0.011	-31.906	0.000	44 / 5549					- 1	8.54	
AVOR	Seok, 2018	FAVOR	0.007	0.004	0.013	-16,189	0.000	11 / 1487					- 1	8.16	
AVOR	Hyeon, 2014	FAVOR	0.015	0.012	0.018	-40.481	0.000	94 / 6402					- 1	8.61	
AVOR	Lee, 2017	FAVOR	0.010	0.007	0.016	-20.271	0.000	20 / 1925					- 1	8.38	
AVOR	Park, 2016	FAVOR	0.058	0.041	0.077	-16.205	0.000	35 / 622			■		- 1	8.50	
AVOR	Yoo, 2918	FAVOR	0.005	0.001	0.035	-5.280	0.000	1 / 200					- 1	5.17	
AVOR			0.010	0.005	0.021	-12.703	0.000				•		- 1		
NFAVOR	Chang, 2013	UNFAVOR	0.076	0.069	0.085	-43,360	0.000	327 / 4290			[■		- 1	21.52	
NFAVOR	Kim, 2015	UNFAVOR	0.005	0.004	0.007	-29.393	0.000	31 / 6194			•		- 1	21.11	
NFAVOR	Moon, 2014	UNFAVOR	0.007	0.006	0.009	-47.589	0.000	93 / 13251	- 1		í	- 1	- 1	21.41	
NFAVOR	Lee, 2018	UNFAVOR	0.027	0.009	0.080	-6.139	0.000	3 / 112	- 1		<b>*</b>	- 1	- 1	17.52	
NFAVOR	Chong, 2016	UNFAVOR	0.008	0.003	0.021	-9.626	0.000	4 / 506	- 1		•	- 1	- 1	18.44	
NFAVOR			0.014	0.005	0.042	-7.483	0.000		- 1		1	- 1	- 1		
verall			0.011	0.006	0.020	-14.736	0.000		- 1	- 1	í	ı	- 1		
									-1.00	-0.50	0.00	0.50	1.00		
										Favours A		Favours B			

# Suspicious for malignancy



#### Malignancy



Supplementary Fig. 3. (Continued) (D) Follicular neoplasm/suspicious for follicular neoplasm (FN/SFN) results. (E) Suspicious for malignancy. (F) Malignancy. CI, confidence interval.