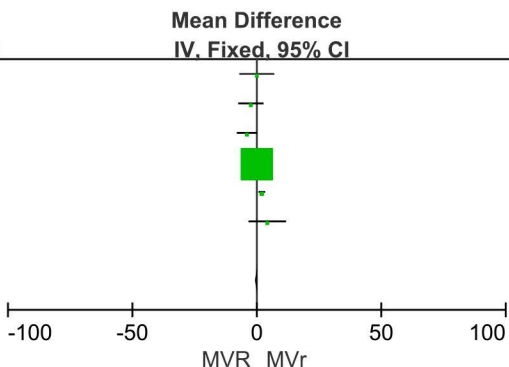


**A**

Study or Subgroup	MVR			MVr			Weight	Mean Difference	
	Mean	SD	Total	Mean	SD	Total		IV, Fixed, 95% CI	IV, Fixed, 95% CI
DiGregorio 2004	63	12	13	63	9	46	0.1%	0.00	[-7.02, 7.02]
Gonçalo 2015	61.1	13	26	63.5	10.9	475	0.1%	-2.40	[-7.49, 2.69]
Helder 2014	56	8	21	60	7	40	0.2%	-4.00	[-8.05, 0.05]
Hendrix 2019	60	5	3520	60	5	8523	97.3%	0.00	[-0.20, 0.20]
Lazam 2017	66	9	213	64	10	1709	2.2%	2.00	[0.70, 3.30]
Pandis 2011	62.3	13.3	19	58.1	10.8	21	0.1%	4.20	[-3.36, 11.76]



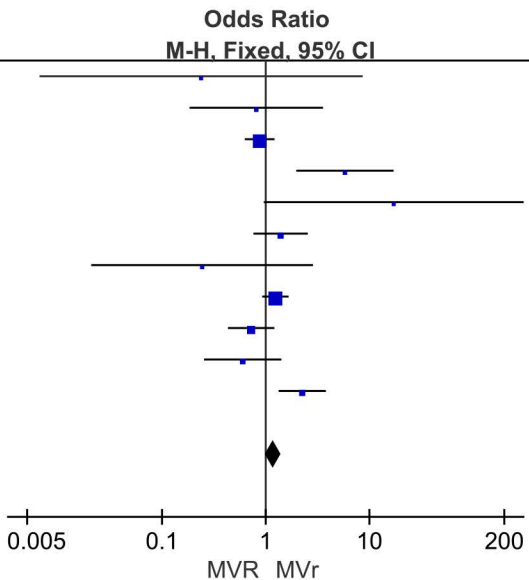
**Total (95% CI)** 3812 10814 100.0% 0.03 [-0.16, 0.23]

Heterogeneity:  $\text{Chi}^2 = 14.78$ ,  $\text{df} = 5$  ( $P = 0.01$ );  $I^2 = 66\%$

Test for overall effect:  $Z = 0.35$  ( $P = 0.73$ )

**B**

Study or Subgroup	MVR		MVr		Weight	Odds Ratio	
	Events	Total	Events	Total		M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
Bozbuga 2003	2	3	3	3	0.5%	0.24	[0.01, 8.62]
DiGregorio 2004	10	13	37	46	1.5%	0.81	[0.18, 3.57]
Gillinov 2003	81	232	170	447	30.4%	0.87	[0.63, 1.22]
Gonçalo 2015	22	26	231	475	1.5%	5.81	[1.97, 17.11]
Gramalia 1999	63	63	55	62	0.2%	17.16	[0.96, 307.35]
Hata 2019	46	85	39	85	7.2%	1.39	[0.76, 2.54]
Helder 2014	19	21	39	40	1.0%	0.24	[0.02, 2.86]
Lazam 2017	83	213	581	1709	31.6%	1.24	[0.92, 1.66]
Lee 1997	72	111	120	167	13.5%	0.72	[0.43, 1.21]
Zalaquett 2005	14	28	55	88	5.3%	0.60	[0.25, 1.41]
Zhou 2010	37	78	69	241	7.1%	2.25	[1.33, 3.80]



**Total (95% CI)** 873 3363 100.0% 1.18 [1.00, 1.40]

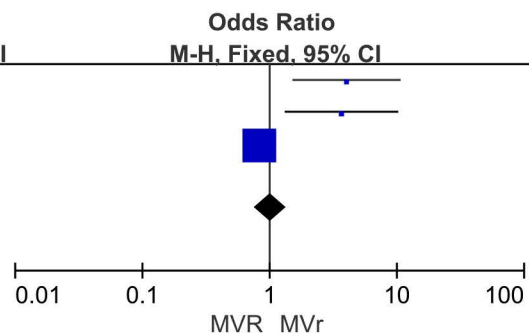
Total events 449 1399

Heterogeneity:  $\text{Chi}^2 = 29.49$ ,  $\text{df} = 10$  ( $P = 0.001$ );  $I^2 = 66\%$

Test for overall effect:  $Z = 1.94$  ( $P = 0.05$ )

**C**

Study or Subgroup	MVR		MVr		Weight	Odds Ratio	
	Events	Total	Events	Total		M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
Gonçalo 2015	6	26	33	475	2.7%	4.02	[1.51, 10.69]
Shafii 2012	15	30	9	42	3.9%	3.67	[1.31, 10.24]
Vassileva 2011	348	1036	83	219	93.4%	0.83	[0.61, 1.12]



**Total (95% CI)** 1092 736 100.0% 1.02 [0.77, 1.35]

Total events 369 125

Heterogeneity:  $\text{Chi}^2 = 15.31$ ,  $\text{df} = 2$  ( $P = 0.0005$ );  $I^2 = 87\%$

Test for overall effect:  $Z = 0.17$  ( $P = 0.87$ )