Supplementary Figure 22. Forest Plot of All-Cause-Mortality-Including Composite Outcome of Trials or Observational Studies Evaluating Glucocorticoids for COVID-19 Within Subgroups Defined by Characteristics of Patient, Disease Severity and Administration of Glucocorticoids among Studies Reporting Incidence of Events in Control from 20% to 40%

	Glucocorticoids	Control			Weight			Incidence of	Design type of	Risk of bias of
Subgroup	(No. events/total)	(No. events/total)	RR	95% CI	%	Favours	Favours	events in control	included studies	included studies
Doses of glucocorticoids						glucocorticoids	control			
Low dose(I ² =0%)	456/1780	994/3638	0.94	[0.85; 1.03]	NA			0.27	RCTs	Non-high
Low dose(I ² =0%)	14/45	25/66	0.82	[0.71; 0.95]	11.1	-		0.38	Observational	Low/Some concerns/High
Medium-high dose(I ² =94%)	133/591	423/1612	0.65	[0.40; 1.05]	61.2	-	+	0.26	Observational	Low/Some concerns/High
Medium-high dose(I²=95%)	40/177	123/489	0.40	[0.06; 2.62]	65.2		 	0.25	Observational	Low
Pulse(I ² =0%)	36/234	207/1032	0.73	[0.63; 0.85]	27.6	+		0.2	Observational	Low/Some concerns/High
Pulse(I ² =0%)	12/78	69/344	0.61	[0.43; 0.86]	34.8	-		0.2	Observational	Low
Severity of illness										
01 Mild or moderate(I ² =75%)	52/240	216/580	0.42	[0.24; 0.74]	NA	-		0.37	Observational	Low/Some concerns/High
01 Mild or moderate(I ² =0%)	13/60	54/145	0.15	[0.07; 0.33]	NA			0.37	Observational	Low
02 Severe(I ² =0%)	359/1279	834/2604	0.88	[0.79; 0.98]	NA	+		0.32	RCTs	Non-high
Timing of glucocorticoids										
Early(I²=75%)	52/240	216/580	0.42	[0.24; 0.74]	28.5			0.37	Observational	Low/Some concerns/High
Early(I²=0%)	13/60	54/145	0.15	[0.07; 0.33]	30.3	<		0.37	Observational	Low
Types of glucocorticoids										
Dexamethasone(I²=0%)	456/1780	994/3638	0.94	[0.85; 1.03]	NA			0.27	RCTs	Non-high
Methylprednisolone(I²=0%)	14/45	25/66	0.82	[0.71; 0.95]	23.8	+		0.38	Observational	Low/Some concerns/High
Multiple types(I ² =75%)	52/240	216/580	0.42	[0.24; 0.74]	76.2	-		0.37	Observational	Low/Some concerns/High
Multiple types(I²=0%)	13/60	54/145	0.15	[0.07; 0.33]	NA	<		0.37	Observational	Low
							1			