Figure E11 (A) Sensitivity analysis of coagulation parameters in severe and non-severe patients of COVID-19
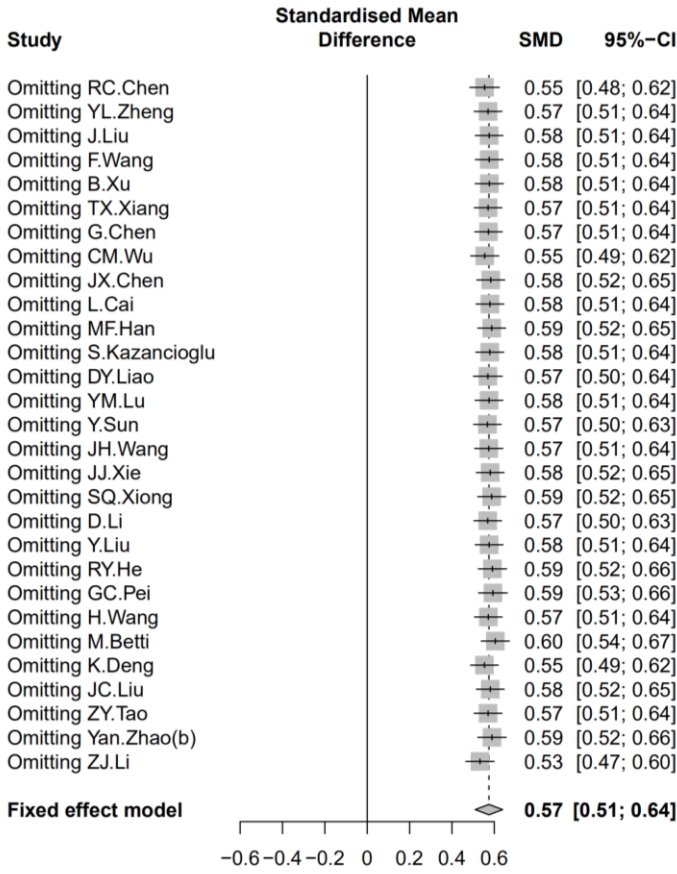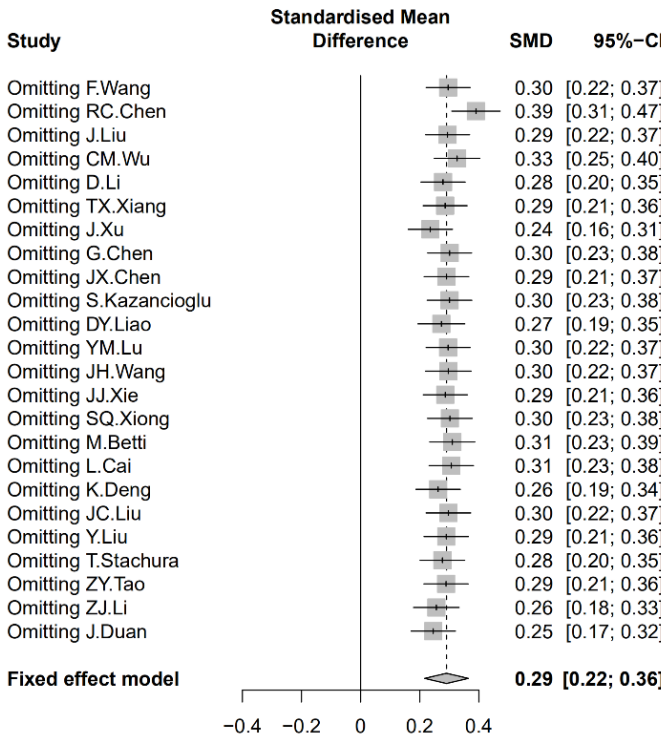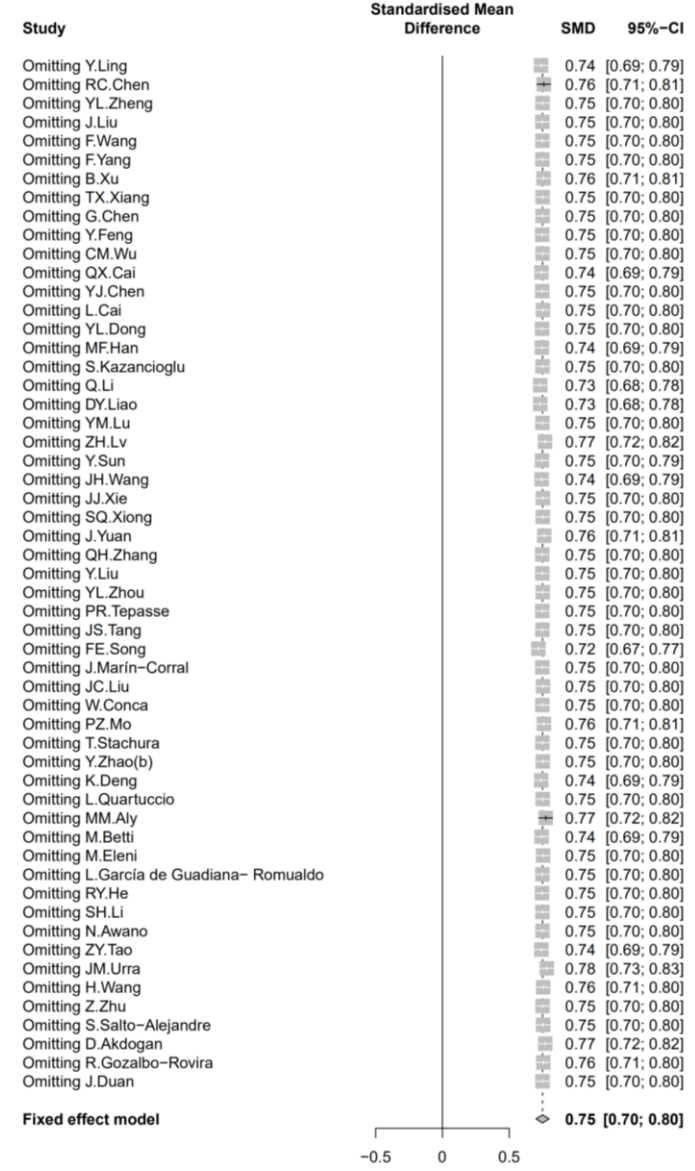
(1) PT

Study	Standardised Mean Difference	SMD	95%-CI
Omitting RC.Chen		0.55	[0.48; 0.62]
Omitting YL.Zheng		0.57	[0.51; 0.64]
Omitting J.Liu		0.58	[0.51; 0.64]
Omitting F.Wang		0.58	[0.51; 0.64]
Omitting B.Xu		0.58	[0.51; 0.64]
Omitting TX.Xiang		0.57	[0.51; 0.64]
Omitting G.Chen		0.57	[0.51; 0.64]
Omitting CM.Wu		0.55	[0.49; 0.62]
Omitting JX.Chen		0.58	[0.52; 0.65]
Omitting L.Cai		0.58	[0.51; 0.64]
Omitting MF.Han		0.59	[0.52; 0.65]
Omitting S.Kazancioglu		0.58	[0.51; 0.64]
Omitting DY.Liao		0.57	[0.50; 0.64]
Omitting YM.Lu		0.58	[0.51; 0.64]
Omitting Y.Sun		0.57	[0.50; 0.63]
Omitting JH.Wang		0.57	[0.51; 0.64]
Omitting JJ.Xie		0.58	[0.52; 0.65]
Omitting SQ.Xiong		0.59	[0.52; 0.65]
Omitting D.Li		0.57	[0.50; 0.63]
Omitting Y.Liu		0.58	[0.51; 0.64]
Omitting RY.He		0.59	[0.52; 0.66]
Omitting GC.Pei		0.59	[0.53; 0.66]
Omitting H.Wang		0.57	[0.51; 0.64]
Omitting M.Betti		0.60	[0.54; 0.67]
Omitting K.Deng		0.55	[0.49; 0.62]
Omitting JC.Liu		0.58	[0.52; 0.65]
Omitting ZY.Tao		0.57	[0.51; 0.64]
Omitting Yan.Zhao(b)		0.59	[0.52; 0.66]
Omitting ZJ.Li		0.53	[0.47; 0.60]
Fixed effect model		**0.57**	**[0.51; 0.64]**

−0.6 −0.4 −0.2 0 0.2 0.4 0.6

(2) APTT

Study	Standardised Mean Difference	SMD	95%-CI
Omitting F.Wang		0.30	[0.22; 0.37]
Omitting RC.Chen		0.39	[0.31; 0.47]
Omitting J.Liu		0.29	[0.22; 0.37]
Omitting CM.Wu		0.33	[0.25; 0.40]
Omitting D.Li		0.28	[0.20; 0.35]
Omitting TX.Xiang		0.29	[0.21; 0.36]
Omitting J.Xu		0.24	[0.16; 0.31]
Omitting G.Chen		0.30	[0.23; 0.38]
Omitting JX.Chen		0.29	[0.21; 0.37]
Omitting S.Kazancioglu		0.30	[0.23; 0.38]
Omitting DY.Liao		0.27	[0.19; 0.35]
Omitting YM.Lu		0.30	[0.22; 0.37]
Omitting JH.Wang		0.30	[0.22; 0.37]
Omitting JJ.Xie		0.29	[0.21; 0.36]
Omitting SQ.Xiong		0.30	[0.23; 0.38]
Omitting M.Betti		0.31	[0.23; 0.39]
Omitting L.Cai		0.31	[0.23; 0.38]
Omitting K.Deng		0.26	[0.19; 0.34]
Omitting JC.Liu		0.30	[0.22; 0.37]
Omitting Y.Liu		0.29	[0.21; 0.36]
Omitting T.Stachura		0.28	[0.20; 0.35]
Omitting ZY.Tao		0.29	[0.21; 0.36]
Omitting ZJ.Li		0.26	[0.18; 0.33]
Omitting J.Duan		0.25	[0.17; 0.32]
Fixed effect model		**0.29**	**[0.22; 0.36]**

−0.4 −0.2 0 0.2 0.4

(3) D-dimer

Study	Standardised Mean Difference	SMD	95%-CI
Omitting Y.Ling		0.74	[0.69; 0.79]
Omitting RC.Chen		0.76	[0.71; 0.81]
Omitting YL.Zheng		0.75	[0.70; 0.80]
Omitting J.Liu		0.75	[0.70; 0.80]
Omitting F.Wang		0.75	[0.70; 0.80]
Omitting F.Yang		0.75	[0.70; 0.80]
Omitting B.Xu		0.76	[0.71; 0.81]
Omitting TX.Xiang		0.75	[0.70; 0.80]
Omitting G.Chen		0.75	[0.70; 0.80]
Omitting Y.Feng		0.75	[0.70; 0.80]
Omitting CM.Wu		0.75	[0.70; 0.80]
Omitting QX.Cai		0.74	[0.69; 0.79]
Omitting YJ.Chen		0.75	[0.70; 0.80]
Omitting L.Cai		0.75	[0.70; 0.80]
Omitting YL.Dong		0.75	[0.70; 0.80]
Omitting MF.Han		0.74	[0.69; 0.79]
Omitting S.Kazancioglu		0.75	[0.70; 0.80]
Omitting Q.Li		0.73	[0.68; 0.78]
Omitting DY.Liao		0.73	[0.68; 0.78]
Omitting YM.Lu		0.75	[0.70; 0.80]
Omitting ZH.Lv		0.77	[0.72; 0.82]
Omitting Y.Sun		0.75	[0.70; 0.79]
Omitting JH.Wang		0.74	[0.69; 0.79]
Omitting JJ.Xie		0.75	[0.70; 0.80]
Omitting SQ.Xiong		0.75	[0.70; 0.80]
Omitting J.Yuan		0.76	[0.71; 0.81]
Omitting QH.Zhang		0.75	[0.70; 0.80]
Omitting Y.Liu		0.75	[0.70; 0.80]
Omitting YL.Zhou		0.75	[0.70; 0.80]
Omitting PR.Tepasse		0.75	[0.70; 0.80]
Omitting JS.Tang		0.75	[0.70; 0.80]
Omitting FE.Song		0.72	[0.67; 0.77]
Omitting J.Marín−Corral		0.75	[0.70; 0.80]
Omitting JC.Liu		0.75	[0.70; 0.80]
Omitting W.Conca		0.75	[0.70; 0.80]
Omitting PZ.Mo		0.76	[0.71; 0.81]
Omitting T.Stachura		0.75	[0.70; 0.80]
Omitting Y.Zhao(b)		0.75	[0.70; 0.80]
Omitting K.Deng		0.74	[0.69; 0.79]
Omitting L.Quartuccio		0.75	[0.70; 0.80]
Omitting MM.Aly		0.77	[0.72; 0.82]
Omitting M.Betti		0.74	[0.69; 0.79]
Omitting M.Eleni		0.75	[0.70; 0.80]
Omitting L.García de Guadiana− Romualdo		0.75	[0.70; 0.80]
Omitting RY.He		0.75	[0.70; 0.80]
Omitting SH.Li		0.75	[0.70; 0.80]
Omitting N.Awano		0.75	[0.70; 0.80]
Omitting ZY.Tao		0.74	[0.69; 0.79]
Omitting JM.Urra		0.78	[0.73; 0.83]
Omitting H.Wang		0.76	[0.71; 0.80]
Omitting Z.Zhu		0.75	[0.70; 0.80]
Omitting S.Salto−Alejandre		0.75	[0.70; 0.80]
Omitting D.Akdogan		0.77	[0.72; 0.82]
Omitting R.Gozalbo−Rovira		0.76	[0.71; 0.80]
Omitting J.Duan		0.75	[0.70; 0.80]
Fixed effect model		**0.75**	**[0.70; 0.80]**

−0.5 0 0.5

(4) FIB

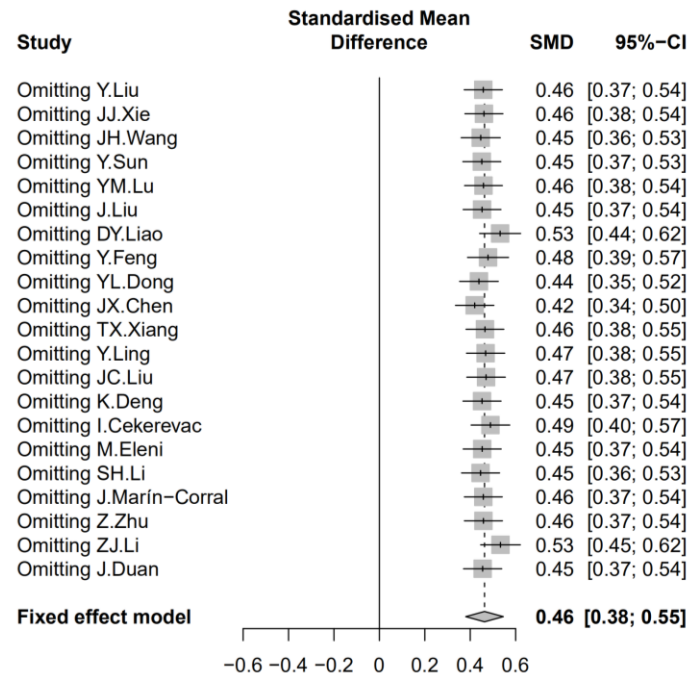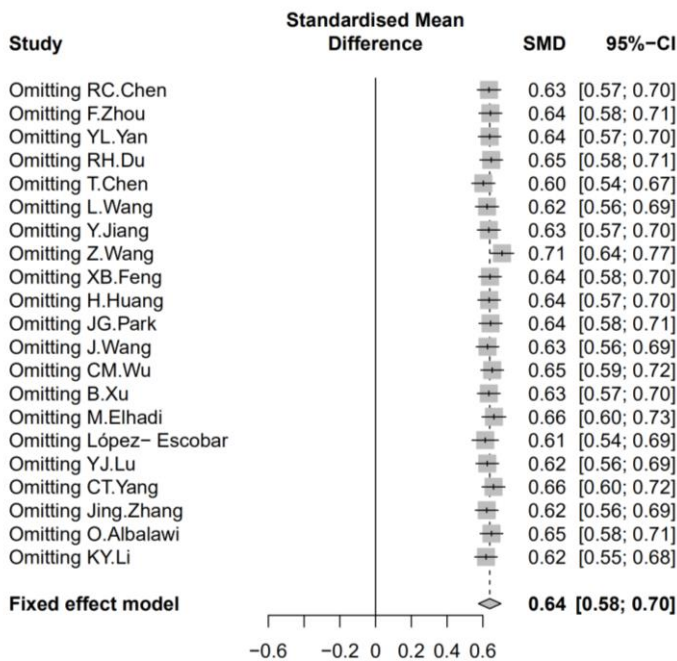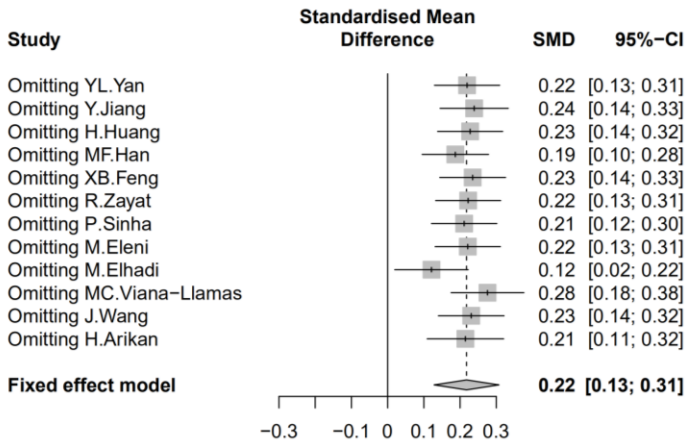| Study	Standardised Mean Difference	SMD	95%-CI
Omitting Y.Liu		0.46	[0.37; 0.54]
Omitting JJ.Xie		0.46	[0.38; 0.54]
Omitting JH.Wang		0.45	[0.36; 0.53]
Omitting Y.Sun		0.45	[0.37; 0.53]
Omitting YM.Lu		0.46	[0.38; 0.54]
Omitting J.Liu		0.45	[0.37; 0.54]
Omitting DY.Liao		0.53	[0.44; 0.62]
Omitting Y.Feng		0.48	[0.39; 0.57]
Omitting YL.Dong		0.44	[0.35; 0.52]
Omitting JX.Chen		0.42	[0.34; 0.50]
Omitting TX.Xiang		0.46	[0.38; 0.55]
Omitting Y.Ling		0.47	[0.38; 0.55]
Omitting JC.Liu		0.47	[0.38; 0.55]
Omitting K.Deng		0.45	[0.37; 0.54]
Omitting I.Cekerevac		0.49	[0.40; 0.57]
Omitting M.Eleni		0.45	[0.37; 0.54]
Omitting SH.Li		0.45	[0.36; 0.53]
Omitting J.Marín−Corral		0.46	[0.37; 0.54]
Omitting Z.Zhu		0.46	[0.37; 0.54]
Omitting ZJ.Li		0.53	[0.45; 0.62]
Omitting J.Duan		0.45	[0.37; 0.54]
Fixed effect model		**0.46**	**[0.38; 0.55]**

−0.6 −0.4 −0.2 0 0.2 0.4 0.6

Figure E11 (B) Sensitivity analysis of coagulation parameters in non-survivors and survivors of COVID-19

(1) PT

Study	SMD	95%-CI
Omitting RC.Chen	0.63	[0.57; 0.70]
Omitting F.Zhou	0.64	[0.58; 0.71]
Omitting YL.Yan	0.64	[0.57; 0.70]
Omitting RH.Du	0.65	[0.58; 0.71]
Omitting T.Chen	0.60	[0.54; 0.67]
Omitting L.Wang	0.62	[0.56; 0.69]
Omitting Y.Jiang	0.63	[0.57; 0.70]
Omitting Z.Wang	0.71	[0.64; 0.77]
Omitting XB.Feng	0.64	[0.58; 0.70]
Omitting H.Huang	0.64	[0.57; 0.70]
Omitting JG.Park	0.64	[0.58; 0.71]
Omitting J.Wang	0.63	[0.56; 0.69]
Omitting CM.Wu	0.65	[0.59; 0.72]
Omitting B.Xu	0.63	[0.57; 0.70]
Omitting M.Elhadi	0.66	[0.60; 0.73]
Omitting López– Escobar	0.61	[0.54; 0.69]
Omitting YJ.Lu	0.62	[0.56; 0.69]
Omitting CT.Yang	0.66	[0.60; 0.72]
Omitting Jing.Zhang	0.62	[0.56; 0.69]
Omitting O.Albalawi	0.65	[0.58; 0.71]
Omitting KY.Li	0.62	[0.55; 0.68]
Fixed effect model	**0.64**	**[0.58; 0.70]**

(4) FIB

Study	SMD	95%-CI
Omitting YL.Yan	0.22	[0.13; 0.31]
Omitting Y.Jiang	0.24	[0.14; 0.33]
Omitting H.Huang	0.23	[0.14; 0.32]
Omitting MF.Han	0.19	[0.10; 0.28]
Omitting XB.Feng	0.23	[0.14; 0.33]
Omitting R.Zayat	0.22	[0.13; 0.31]
Omitting P.Sinha	0.21	[0.12; 0.30]
Omitting M.Eleni	0.22	[0.13; 0.31]
Omitting M.Elhadi	0.12	[0.02; 0.22]
Omitting MC.Viana–Llamas	0.28	[0.18; 0.38]
Omitting J.Wang	0.23	[0.14; 0.32]
Omitting H.Arikan	0.21	[0.11; 0.32]
Fixed effect model	**0.22**	**[0.13; 0.31]**

(2) APTT

Study	SMD	95%-CI
Omitting RC.Chen	0.18	[0.11; 0.26]
Omitting YL.Yan	0.17	[0.10; 0.25]
Omitting RH.Du	0.17	[0.10; 0.25]
Omitting T.Chen	0.19	[0.11; 0.26]
Omitting L.Wang	0.17	[0.09; 0.24]
Omitting H.Huang	0.18	[0.10; 0.25]
Omitting Y.Jiang	0.17	[0.09; 0.24]
Omitting Z.Wang	0.14	[0.07; 0.22]
Omitting XB.Feng	0.17	[0.10; 0.25]
Omitting J.Wang	0.14	[0.07; 0.21]
Omitting CM.Wu	0.20	[0.13; 0.27]
Omitting YJ.Lu	0.18	[0.11; 0.26]
Omitting CT.Yang	0.18	[0.10; 0.25]
Omitting O.Albalawi	0.17	[0.10; 0.25]
Omitting López– Escobar	0.22	[0.13; 0.31]
Fixed effect model	**0.17**	**[0.10; 0.25]**

(3) D-dimer

Study	SMD	95%-CI
Omitting RC.Chen	0.77	[0.73; 0.81]
Omitting F.Zhou	0.77	[0.74; 0.81]
Omitting YL.Yan	0.78	[0.74; 0.82]
Omitting RH.Du	0.78	[0.74; 0.81]
Omitting TL.Chen	0.78	[0.75; 0.82]
Omitting T.Chen	0.78	[0.74; 0.81]
Omitting L.Wang	0.77	[0.73; 0.81]
Omitting DJ.Altschul	0.80	[0.76; 0.84]
Omitting F.Ciceri	0.78	[0.74; 0.81]
Omitting XB.Feng	0.78	[0.74; 0.82]
Omitting J.Zhang	0.78	[0.74; 0.81]
Omitting LK. Xiong	0.78	[0.74; 0.81]
Omitting ZG.Wang	0.78	[0.74; 0.81]
Omitting FF.Sai	0.78	[0.74; 0.82]
Omitting OM.Peiro	0.77	[0.74; 0.81]
Omitting YJ.Lu	0.78	[0.74; 0.81]
Omitting L.García de Guadiana– Romualdo	0.78	[0.74; 0.81]
Omitting P.Sinha	0.78	[0.74; 0.82]
Omitting B.Xu	0.78	[0.74; 0.81]
Omitting CM.Wu	0.78	[0.74; 0.82]
Omitting H.Huang	0.78	[0.74; 0.81]
Omitting R.Zayat	0.78	[0.74; 0.82]
Omitting CT.Yang	0.78	[0.74; 0.81]
Omitting R.Scotto	0.78	[0.74; 0.82]
Omitting E.Sozio	0.78	[0.74; 0.82]
Omitting A.Capdevila–Reniu	0.78	[0.75; 0.82]
Omitting M.Eleni	0.78	[0.74; 0.81]
Omitting M.Elhadi	0.75	[0.71; 0.79]
Omitting G.Montrucchio	0.78	[0.75; 0.82]
Omitting S.Nakamura	0.78	[0.74; 0.82]
Omitting SA.Namendys–Silva	0.79	[0.76; 0.83]
Omitting IH.Özdemir	0.77	[0.73; 0.80]
Omitting M.Provencio	0.79	[0.75; 0.83]
Omitting MC. Viana–Llamas	0.77	[0.73; 0.81]
Omitting J.Wang	0.77	[0.73; 0.81]
Omitting A.López– Escobar	0.76	[0.72; 0.79]
Omitting S.Ahmad	0.76	[0.73; 0.80]
Omitting O.Albalawi	0.79	[0.75; 0.82]
Omitting H.Arikan	0.80	[0.77; 0.84]
Omitting J.Berenguer	0.88	[0.83; 0.92]
Omitting R.Chinnadurai	0.78	[0.74; 0.81]
Omitting A.d'Arminio Monforte	0.78	[0.74; 0.81]
Omitting KY.Li	0.78	[0.74; 0.81]
Omitting T.Li	0.78	[0.74; 0.81]
Fixed effect model	**0.78**	**[0.74; 0.82]**