

Efficacy and safety of switching lamivudine-based dual therapies for the maintenance of virologic suppression in adults with HIV-1: a systematic review and network meta-analysis

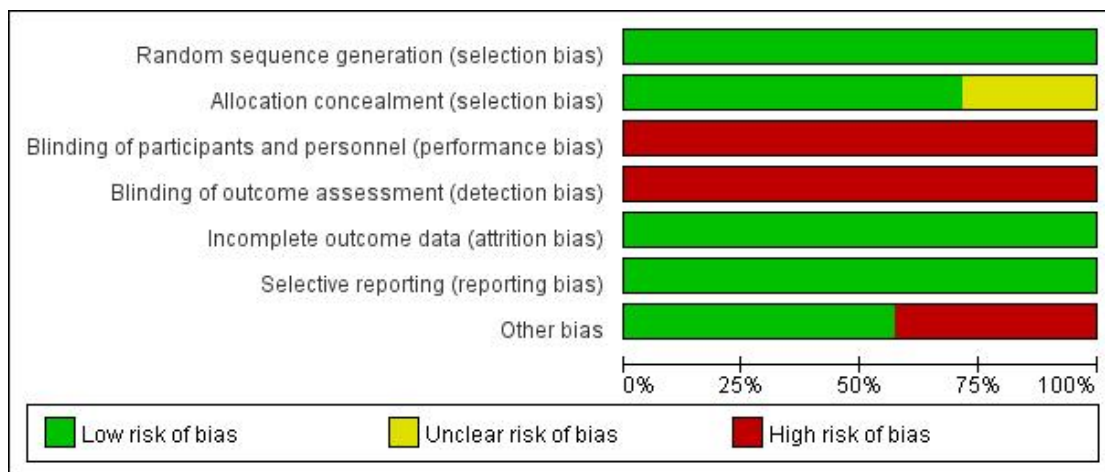
Additional file 1

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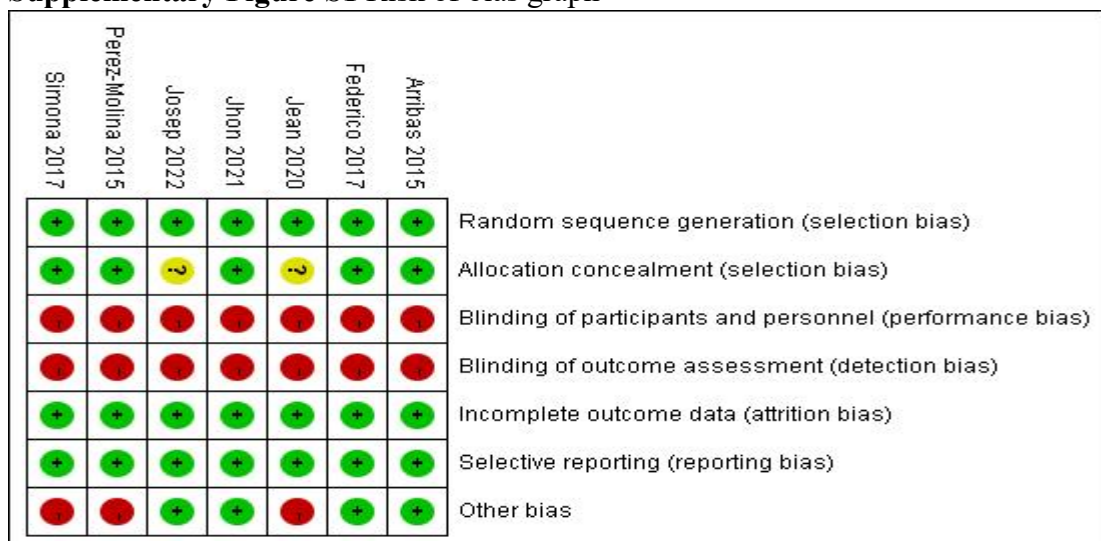
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Supplementary Table S1 Details of the search strategy for PubMed

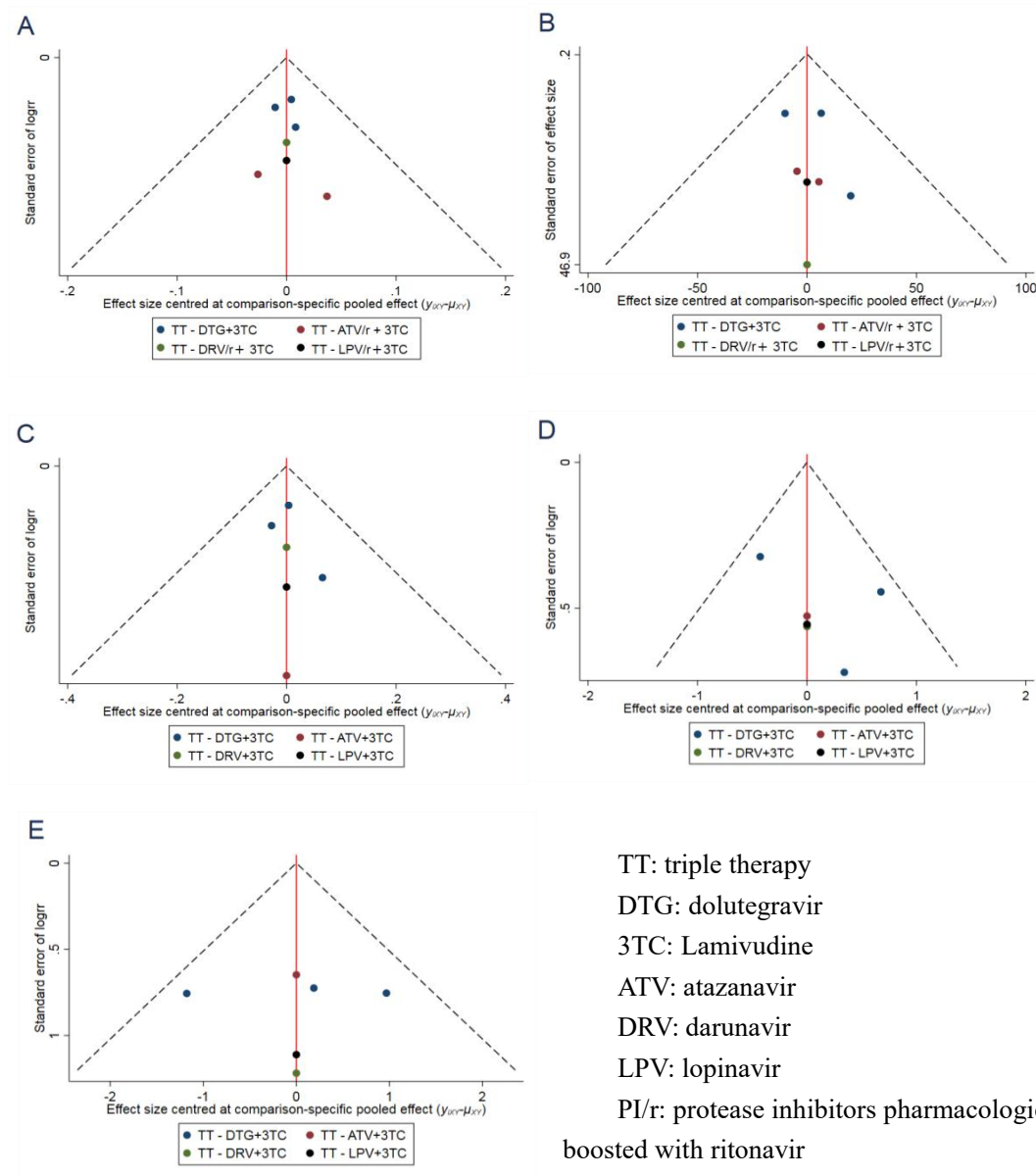
Search number	Query
#1	"HIV-1"[Mesh]
#2	"Human immunodeficiency virus 1" OR "HIV-I" OR "Immunodeficiency Virus Type 1, Human" OR "Human Immunodeficiency Virus Type 1"
#3	#1 OR #2
#4	"Lamivudine"[Mesh]
#5	"3TC Lamivudine" OR "Lamivudine, 3TC" OR "Epivir" OR "GR-109714X" OR "GR 109714X" OR "GR109714X" OR "2',3'-Dideoxy-3'-thiacytidine" OR "2',3' Dideoxy 3' thiacytidine" OR "BCH-189" OR "BCH 189" OR "BCH189"
#6	#4 OR #5
#7	#3 AND #6



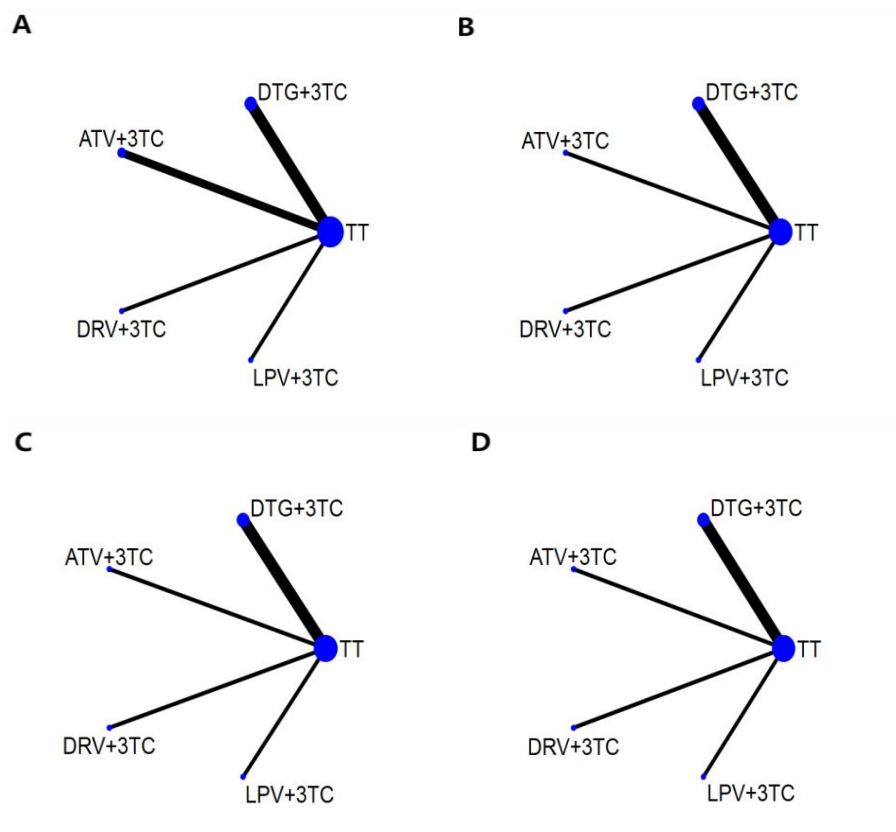
Supplementary Figure S1 Risk of bias graph



Supplementary Figure S2 Risk of bias summary



Supplementary Figure S3 Correction funnel plots of the 5 outcomes. (A) virologic suppression maintenance rate. (B) the change of CD4 count rate. (C) rate of adverse events. (D) rate of serious adverse events. (E) rate of withdraw due to adverse events



Supplementary Figure S4 The network plots of 4 outcomes (A) the change of CD4 count rate. (B) rate of adverse events. (C) rate of serious adverse events. (D) rate of withdraw due to adverse events

Supplementary Table S2 Results of individual studies

study	Therapy	Number of patients	Number of patients with suppressed viral load	changes in CD4 cell count from baseline	Number of adverse event rate cases	Number of serious adverse cases	Number of cases of withdraw due to adverse events
Wyk 2020	TT	372	346	11±179.7	292	16	2
	DTG/3TC	369	344	22±179.5	295	21	13
Rojas 2021	TT	134	125	32±254	78	5	4
	DTG/3TC	131	122	30±260	73	3	3
Llibre 2022	TT	247	229	2±147	172	16	3
	DTG/3TC	246	232	30±147	180	7	5
Simona 2017	TT	133	106	34±213	40	NA	NA
	ATV/r + 3TC	133	115	66±213	33	NA	NA
Perez-Molina 2015	TT	143	108	-11±250	NA	8	10
	ATV/r+3TC	143	110	11±231	NA	6	3
Pulido 2017	TT	123	114	25±370	93	6	2
	DRV/r+ 3TC	126	112	33±370	88	6	1
Arribas 2015	TT	121	106	40±254	70	8	4
	LPV/r+3TC	118	103	29±182	63	5	1