## Supplementary Table 1. Time to first platelet response outcome among the included studies

Study name	Time to First Platelet Response									
	TK inhibitors	Placebo								
Bussel J et al. <sup>[15]</sup> 2018	Median time was 15 days for overall responders and 15.5 days for stable responders	Not reported								
Hu Y et al.[16] 2024	Median time = $8 (8 - 12)$ days	Median time = 30 (24 – 46) days								
Kuter DJ et al.[17] 2025	Median time = 36 days	Never achieved								

TK inhibitors = tyrosine kinase inhibitors

## Supplementary Table 2. Bleeding events outcome among the included studies

Study name	Bleeding events								
	TK inhibitors	Placebo							
Bussel J et al.[15] 2018	- Moderate or severe bleeding-	- Moderate or severe bleeding-							
	related AEs occurred in 10/101	related AEs occurred in 8/49							
	patients (9.9%)	(16%) patients							
	- Bleeding-related SAEs occurred	- Bleeding-related SAEs occurred							
	in 4/101 patients (3.9%)	in 5/49 patients (10%)							
Hu Y et al.[16] 2024	- Total bleeding events reduced	- Total bleeding events reduced							
	significantly from 87/126 patients	significantly from 33/62							
	(69%) at baseline to 23/86	patients (53%) at baseline to 1/8							
	patients (27%) at week 24	patients (13%) at week 24							
Kuter DJ et al.[17] 2025	- Grade ≥2 bleeding events due to	- Grade ≥2 bleeding events due to							
	any cause were reported in 4% of	any cause were reported in 12%							
	patients	of patients							
Kuwana M et al.[18]	- Bleeding events occurred in 3/22	- Bleeding events occurred in							
2023	patients (14%)	2/12 patients (17%)							

 $AEs = adverse \ events; \ SAEs = serious \ adverse \ events; \ TK \ inhibitors = tyrosine \ kinase inhibitors$ 

Study name	<u>s</u>	tatistics	with st	tudy remov	<u>red</u>	Risk ratio (95% CI)
	Point	Lower limit	Upper limit	Z-Value	p-Value	with study removed
Bussel J et al. 2018 (grade 1-2)	3.020	1.540	5.924	3.215	0.001	
Kuter DJ et al. 2025 (grade 1-2)	1.057	0.649	1.722	0.225	0.822	
Kuwana M et al. 2022 (grade 1-2)	1.577	0.726	3.423	1.152	0.249	
Bussel J et al. 2018 (grade >3)	1.855	0.757	4.541	1.352	0.176	
Kuter DJ et al. 2025 (grade >3)	1.920	0.809	4.555	1.479	0.139	
Kuwana M et al. 2022 (grade >3)	1.833	0.748	4.493	1.325	0.185	
Pooled	1.793	0.812	3.955	1.446	0.148	
Prediction Interval	1.793	0.263	12.238	0.000	0.000	
						0.1 0.2 0.5 1 2 5 10
						Favours TK inhibitors Favours Placebo

Supplementary Figure 1. Sensitivity analysis by leave-one-out method for the overall diarrhea incidence outcome.

Study name		Statist	tics with stud	dy removed	1		Risk ratio (95% CI) with study remov					
	Point	Lower limit	Upper limit	Z-Value	p-Value							
Bussel J et al. 2018 (grade 1-2)	3.433	1.673	7.042	3.364	0.001					+		-
Kuter DJ et al. 2025 (grade 1-2)	2.006	0.249	16.180	0.654	0.513		-	+	+		$=$ $\vdash$	$\rightarrow$
Kuwana M et al. 2022 (grade 1-2)	1.705	0.534	5.447	0.901	0.368			-	+		<del></del>	
Pooled	2.110	0.694	6.419	1.316	0.188				$\blacktriangleleft$			
Prediction Interval	2.110	0.000	512012.311	0.000	0.000	$\leftarrow$	+	+	+	$\top$	+	$\rightarrow$
						0.1	0.2	0.5	1	2	5	10
						F	avours T	K inhibito	rs	Favours	: Placebo	)

Supplementary Figure 2. Sensitivity analysis by leave-one-out method for the grade 1-2 diarrhea outcome.

Study name	Statistics with study removed						Risk ratio (95% CI)					
	Point	Lower limit	Upper limit	Z-Value	p-Value		with study removed				1	
Bussel J et al. 2018 (grade 1-2)	0.806	0.144	4.515	-0.245	0.807		+	+H		+	—	1
Hu Y et al. 2024 (grade 1-2)	0.603	0.198	1.840	-0.888	0.375		$\vdash$					
Kuter DJ et al. 2025 (grade 1-2)	0.873	0.198	3.850	-0.179	0.858		$\vdash$	<del></del>		_	-	
Kuwana M et al. 2022 (grade 1-2)	1.388	0.594	3.240	0.757	0.449			-	$\exists$		-	
Pooled	0.943	0.316	2.819	-0.104	0.917					<b>-</b>		
Prediction Interval	0.943	0.011	82.218	0.000	0.000	$\leftarrow$	+		$\mp$	_		$\rightarrow$
						0.1	0.2	0.5	1	2	5	10
						Favours TK inhibitors				Favours	: Placebo	)

Supplementary Figure 3. Sensitivity analysis by leave-one-out method for the grade 1-2 upper respiratory infection outcome.