P260- MP3 pulses COVID 19 trial: effect of intravenous pulses of methylprednisolone 250 mg versus dexamethasone 6 mg in hospitalised adults with severe COVID-19 pneumonia

Background

- Efficacy and safety of high doses glucocorticoids for the treatment of COVID- 19 has shown mixed outcomes.
- We try to evaluate the effectiveness of \bullet methylprednisolone bolus vs. dexamethasone 6 mg in patients with

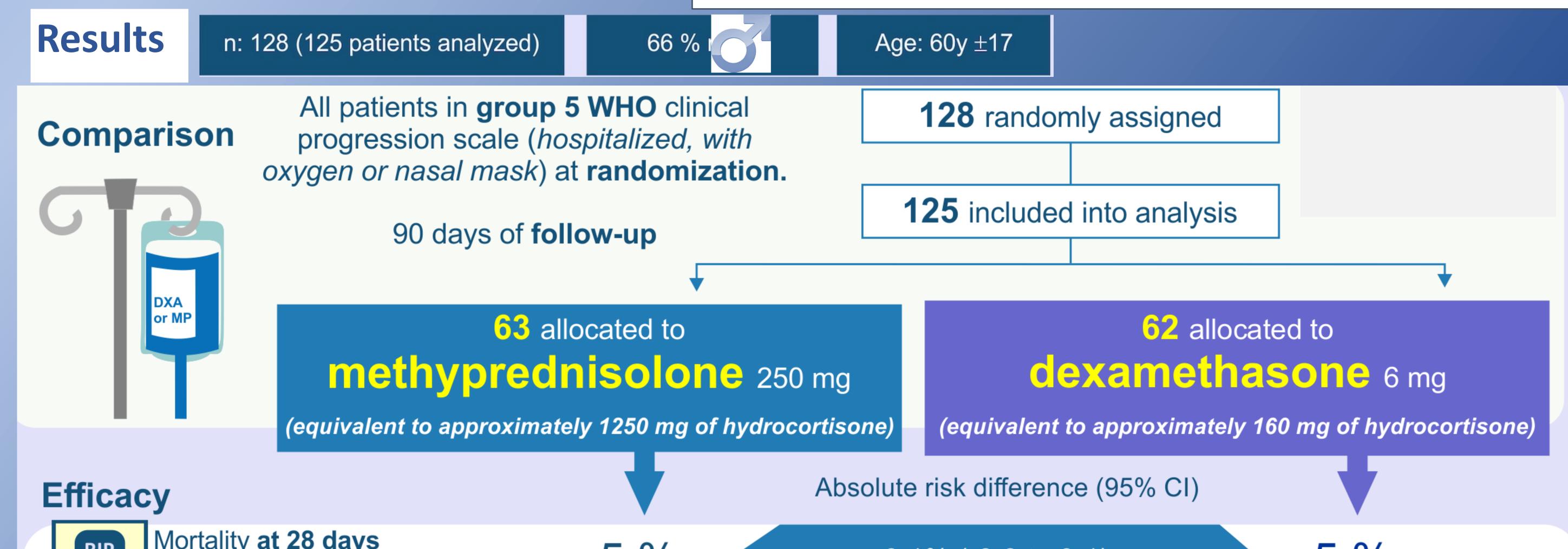
Material and Metods

- Randomized, open-label, controlled trial
- February August 2021
- Trial suspended after first interim analysis \rightarrow investigators considered continuing the trial would be futile
- Randomisation 1:1 ratio



severe COVID-19.

- dexamethasone 6 once daily for up to 10 days
- methylprednisolone 250 mg once



	RIP	(modified intention-to-treat: mITT)	5 %		0.1% (-8.8 to 9.1)		5 %
		Admission to intensive care unit (ICU) at 28 days (mITT)	16 %		1.4% (-14.2 to 11.5)		15 %
		Intubation at 28 days (mITT)	13 %		1.0% (-13.0 to 11.1)		12 %
Safety							
	(190°)	Hyperglicaemia at 28 days (mITT)	27 %		18.9% (5.6 to 31.8)		8 %
		Secondary infections at 28 days (mITT)	11%		-1.8% (-10.1 to 13.7)		13 %

Conclusions

Among severe but not critical patients with COVID-19, 250 mg/d for 3 days of methylprednisolone compared with 6 mg/d for 10 days of dexamethasone did not result in a decrease in mortality or intubation.

