

Factors Associated With Prolonged Mechanical Ventilation in Patients With Subarachnoid Hemorrhage—The RAISE Score

Design

Prospective cohort study with retrospective analysis



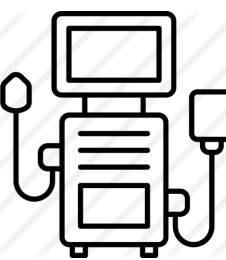
Patients

297 Non-traumatic SAH admitted to NeuroICU



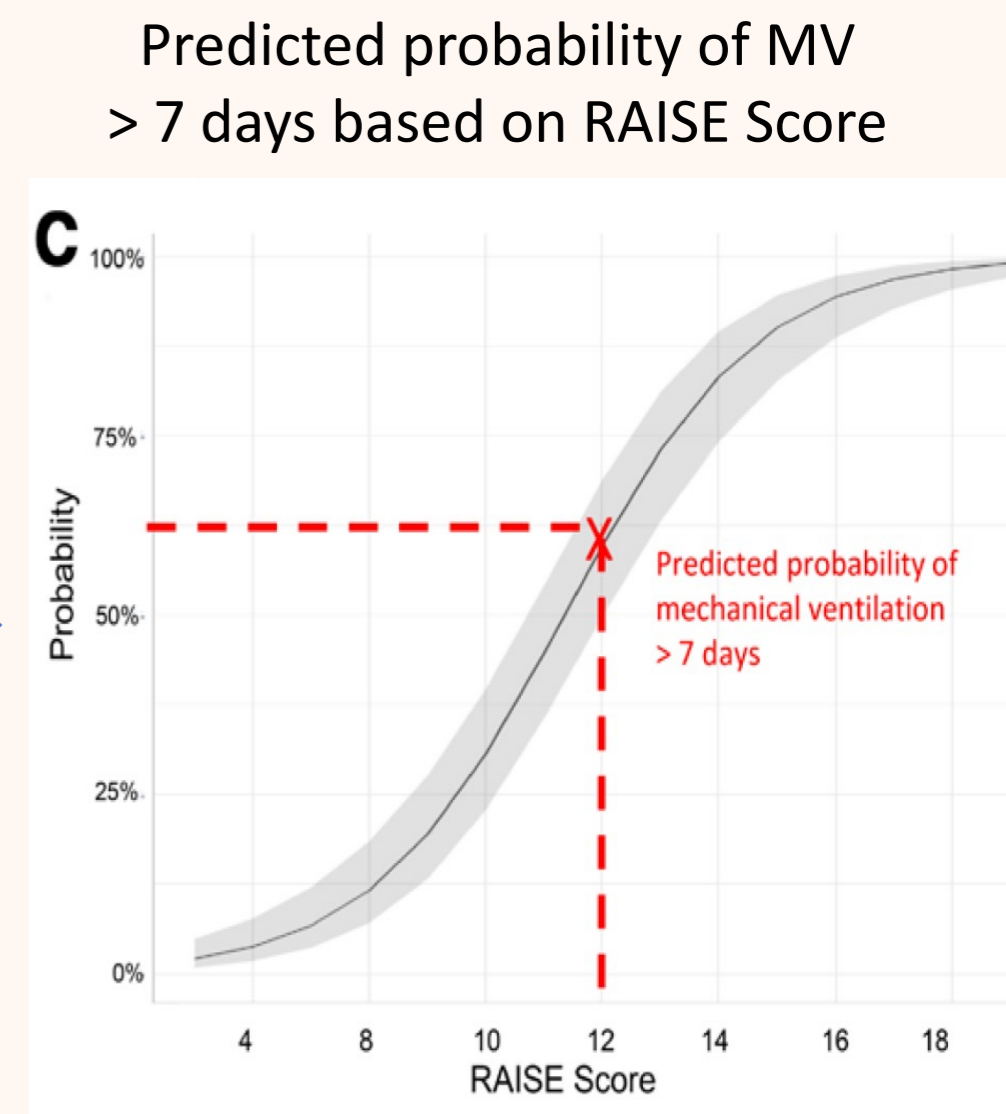
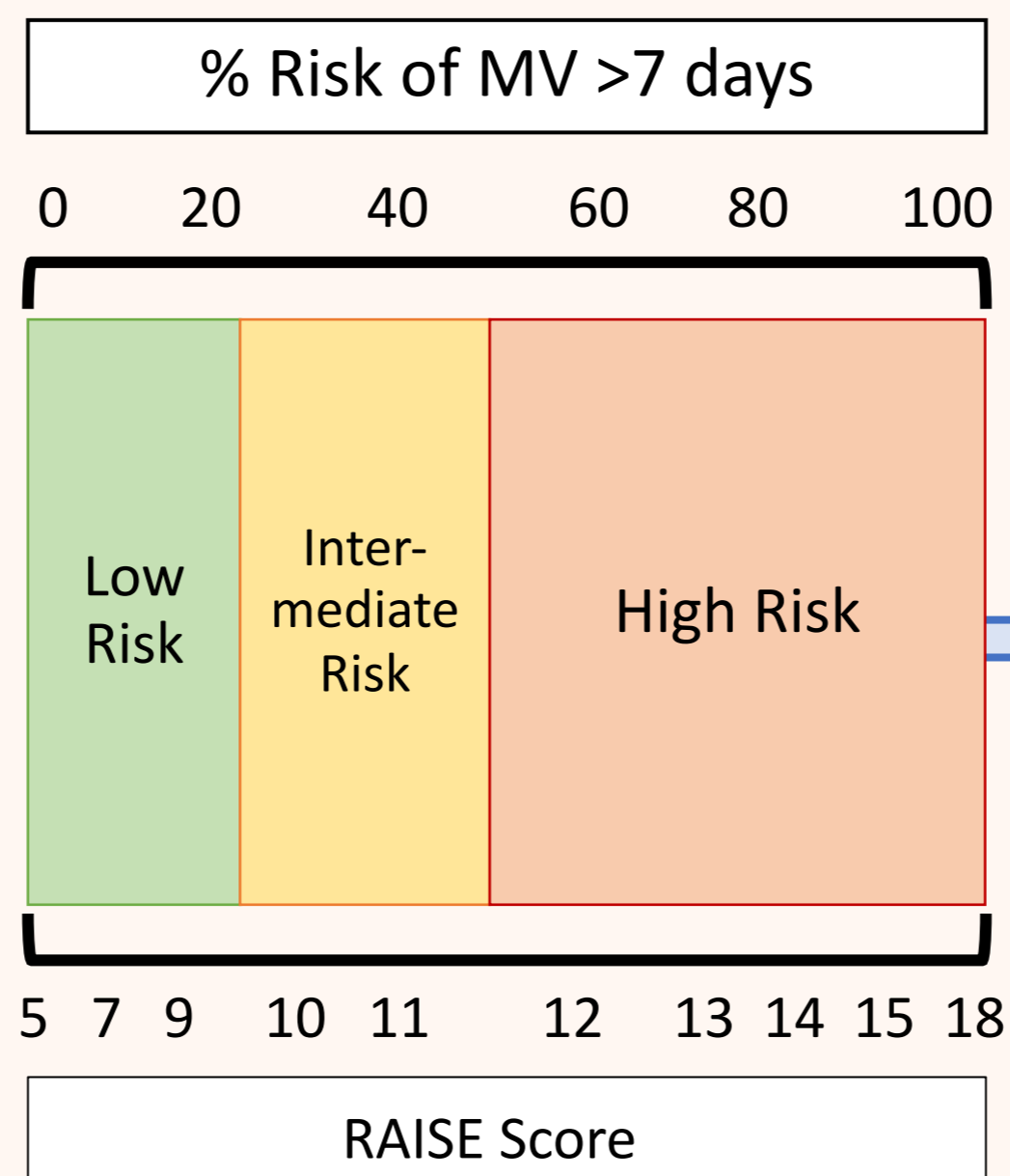
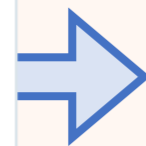
Question

What factors predict need for prolonged mechanical ventilation (MV)?



pRolonged ventilAtion In Subarachnoid hEmorrhage (The RAISE Score)

Baseline Points		11
Age (years)	- < 61	-1
	- ≥ 61	1
Acute Physiology Score (APS)	- < 4	-2
	- 4 – 5	-1
	- 6 – 13	0
	- ≥ 14	1
Hunt & Hess	- 0 – 2	-2
	- 3	0
	- 4 – 5	3
SAH Early Brain Edema Score (SEBES)	- 0	-1
	- 1 – 2	0
	- 3 – 4	1
ICH on admission CT	- No	0
	- Yes	1



Conclusion

RAISE Score assessment within 24 hours of ICU admission may predict the need for prolonged MV in SAH



Impact

This may help families & caregivers better anticipate course of therapy