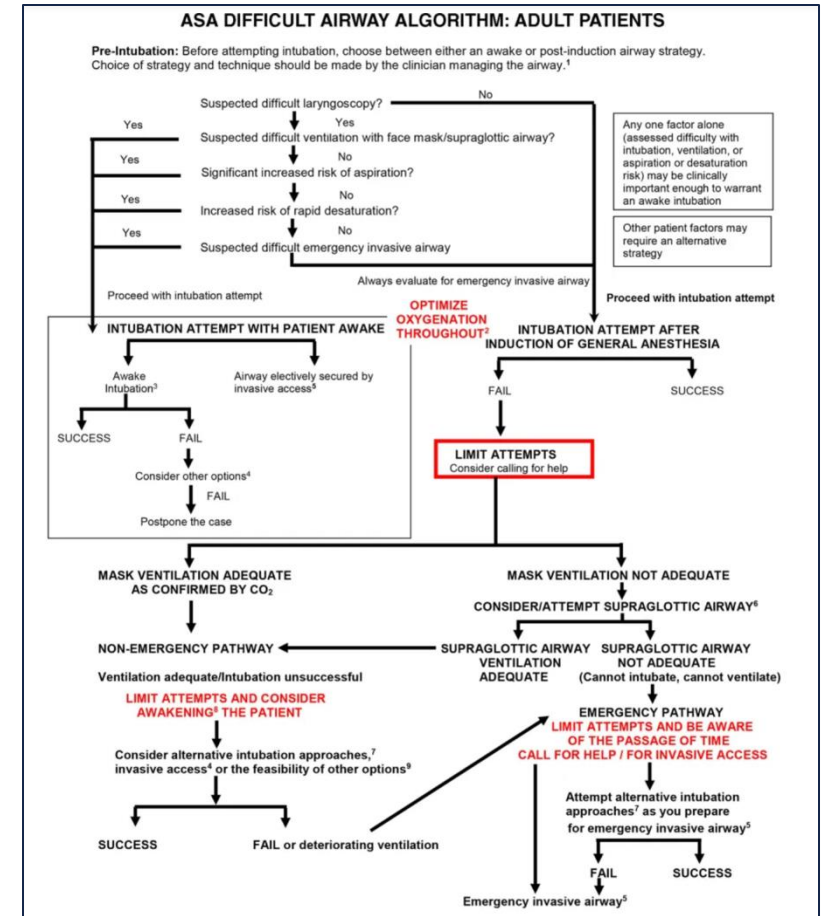


Rapid Review: ASA Difficult Airway Algorithm

Frank Dijak, MD Candidate, Class of 2025

Motivation



Appraisal

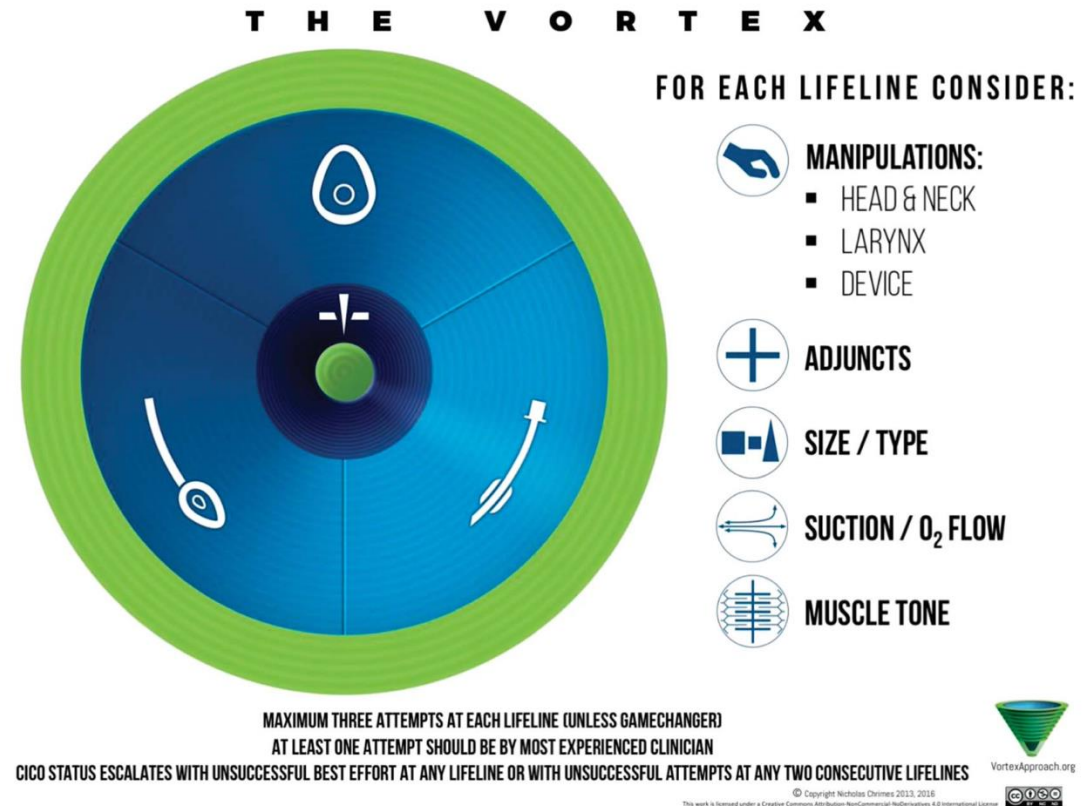
- Fritz et al, 2023
- 4 expert reviewers, 6 quality domains, 12 guidelines

Table 3. Scaled AGREE II Domain Scores for the 12 Identified Guidelines

Guideline	Domain 1	Domain 2	Domain 3	Domain 4	Domain 5	Domain 6	Overall	Interpretation
	Scope and purpose (%)	Stakeholder involvement (%)	Rigor of development (%)	Clarity of presentation (%)	Applicability (%)	Editorial independence (%)	Average score	Quality
DAS (2012)	68.1	40.3	62.0	83.3	62.5	43.8	60.0	High
JSA	81.9	48.6	47.4	68.1	45.8	0.0	48.6	Low
DAS (2015)	80.6	59.7	65.1	76.4	75.0	52.1	68.1	High
APAGBI	81.9	70.8	62.0	75.0	62.5	62.5	69.1	High
OAA	81.9	52.8	60.9	81.9	60.4	43.8	63.6	High
AIDAA	76.4	45.8	56.3	75.0	63.5	60.4	62.9	High
ANZCA	61.1	20.8	21.9	75.0	55.2	8.3	40.4	Average
CCGEAM	66.7	50.0	17.7	75.0	45.8	56.3	51.9	Low
DAS (2018)	80.6	52.8	70.8	77.8	63.5	50.0	65.9	High
RCA	79.2	41.7	18.2	69.4	60.4	64.6	55.6	Average
CAFG	66.7	48.6	56.8	81.9	64.6	68.8	64.5	High
ASA	97.2	76.4	80.7	94.4	62.5	87.5	83.1	High
Mean ± SD	76.9 ± 9.8	50.7 ± 14.4	51.7 ± 21.1	77.8 ± 7.0	60.1 ± 8.1	49.8 ± 24.5	61.1 ± 11.0	

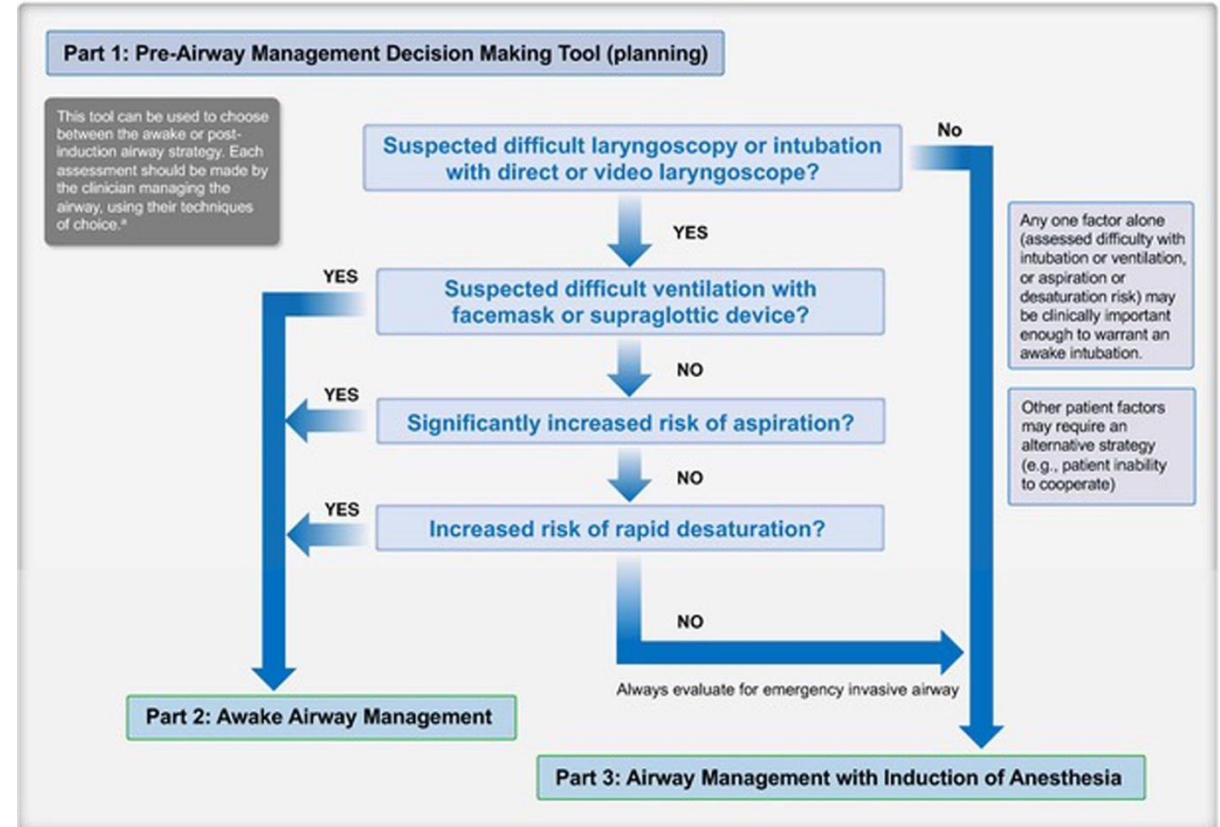
Task Load

- Ambardekar et al, 2019
- RCT
- ASA (difficult, n=33) vs. Vortex (simple, n=34)
- ASA showed lower performance ($p=0.0003$) and higher mental demand ($p=0.03$) than Vortex



A Decision Tree Approach

- Rosenblatt and Yanez, 2022
- Decision-Making Tools
 - a) Aid anesthesiologists in understanding airway risk assessment
 - b) Assist anesthesiologists in articulating their judgment process

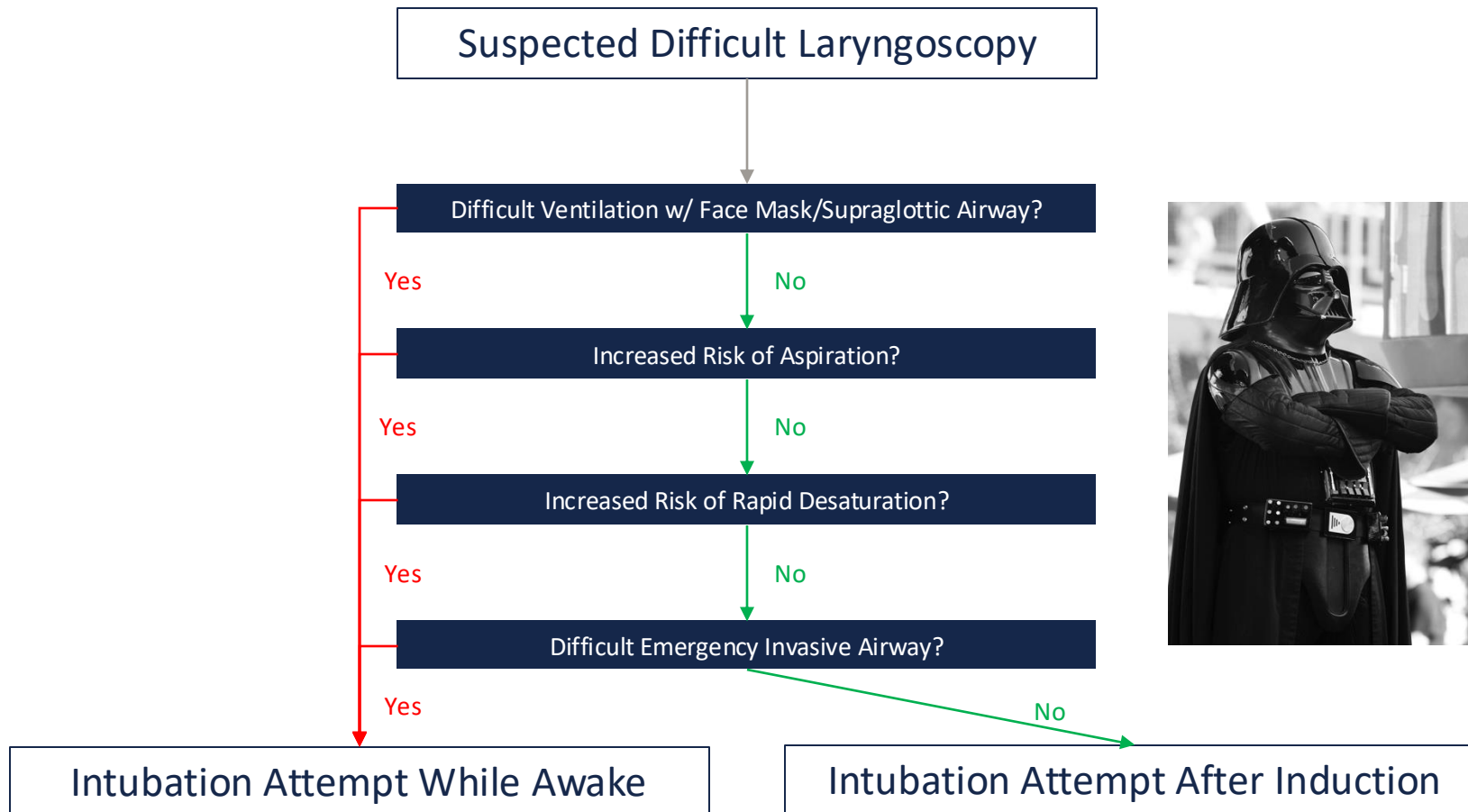


Suspected Difficult Laryngoscopy

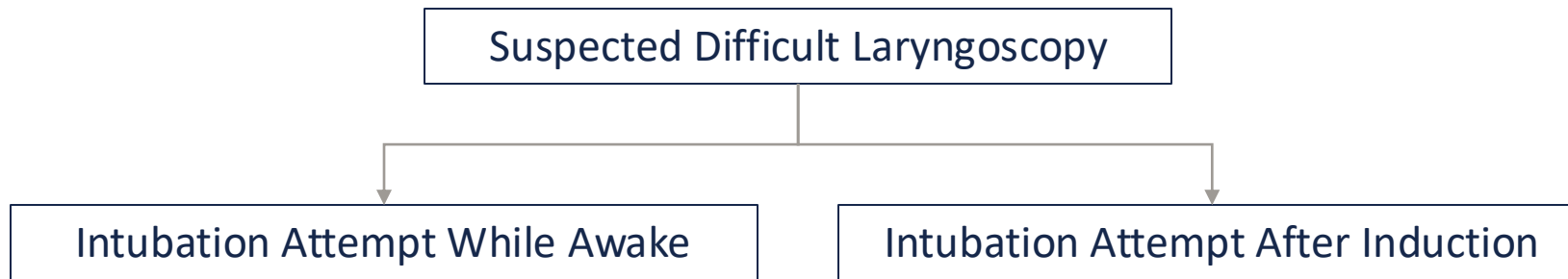
Intubation Attempt While Awake

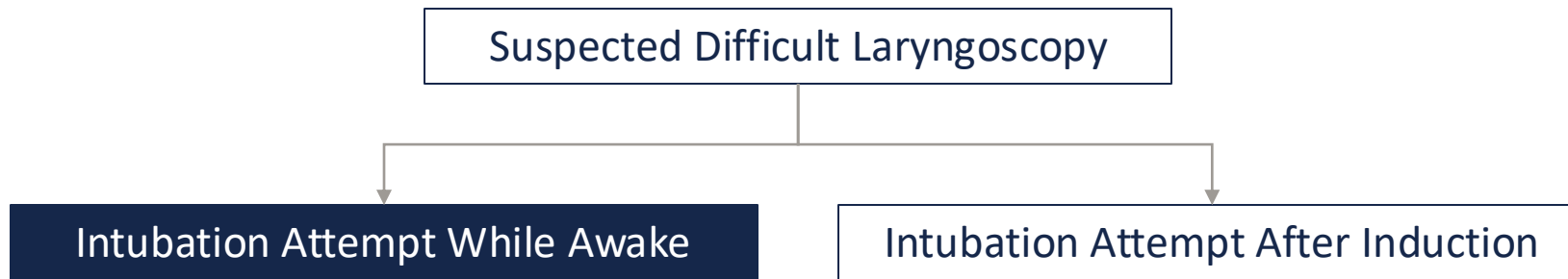
Intubation Attempt After Induction

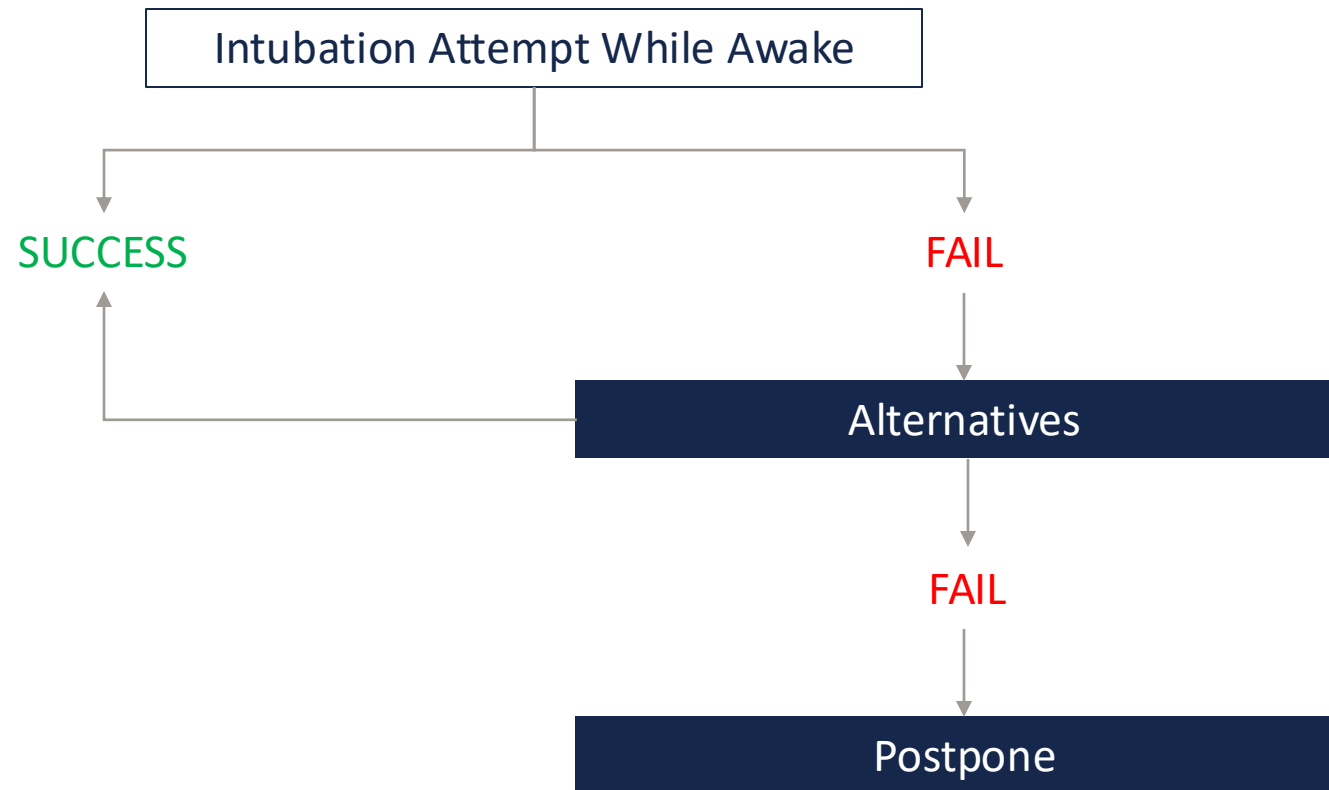




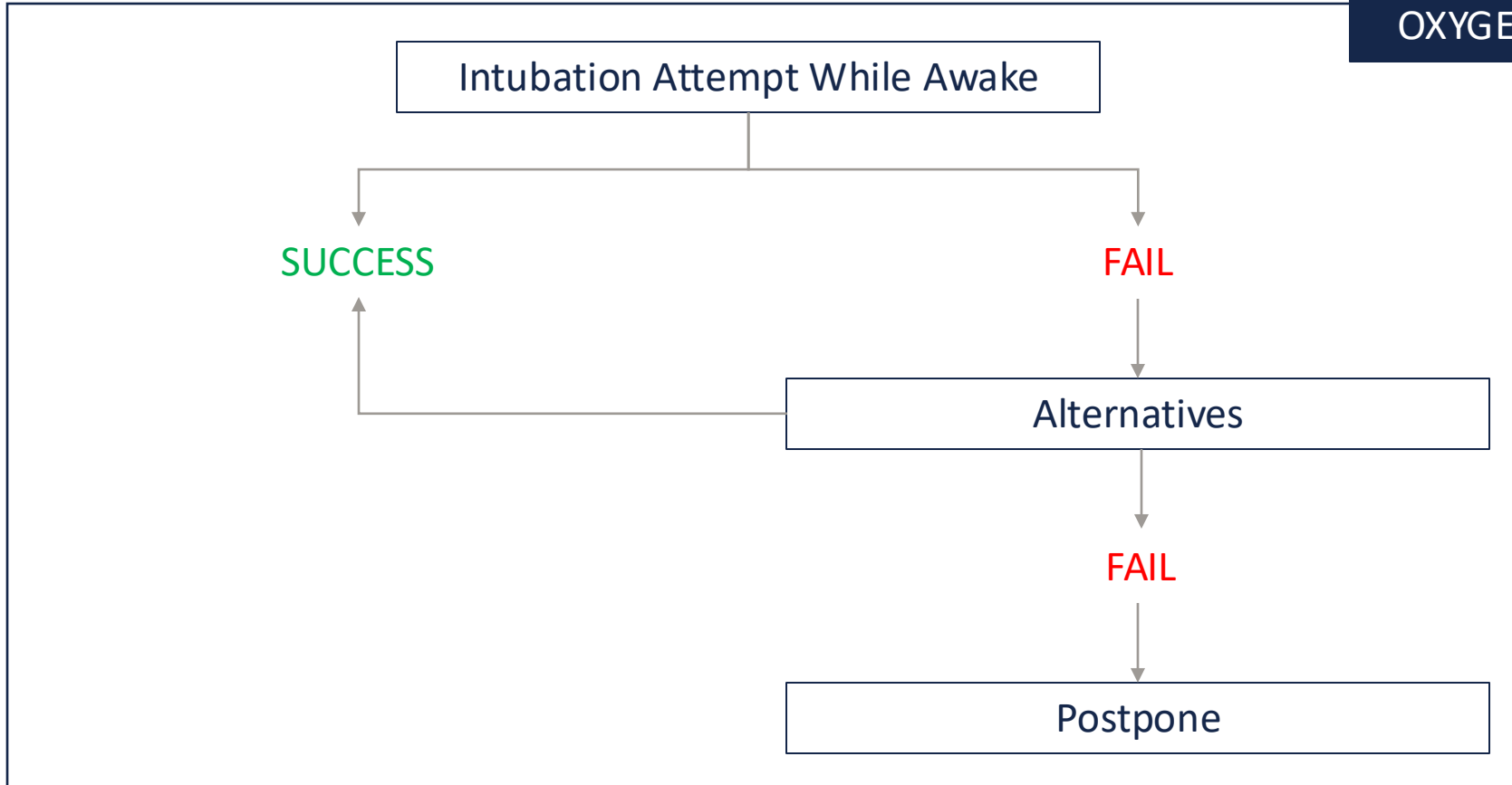
V.A.D.E.R.

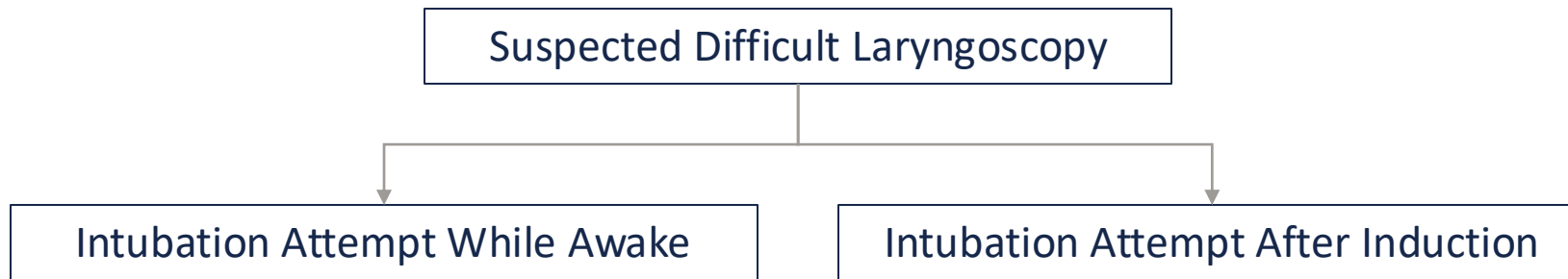


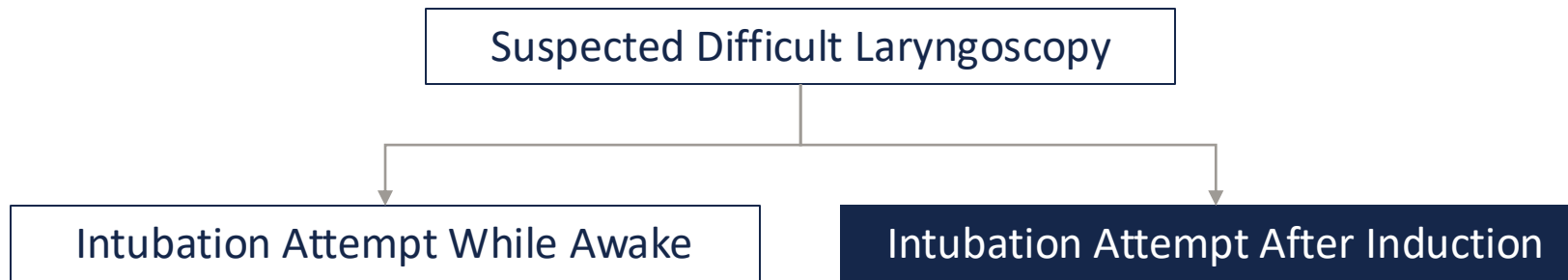


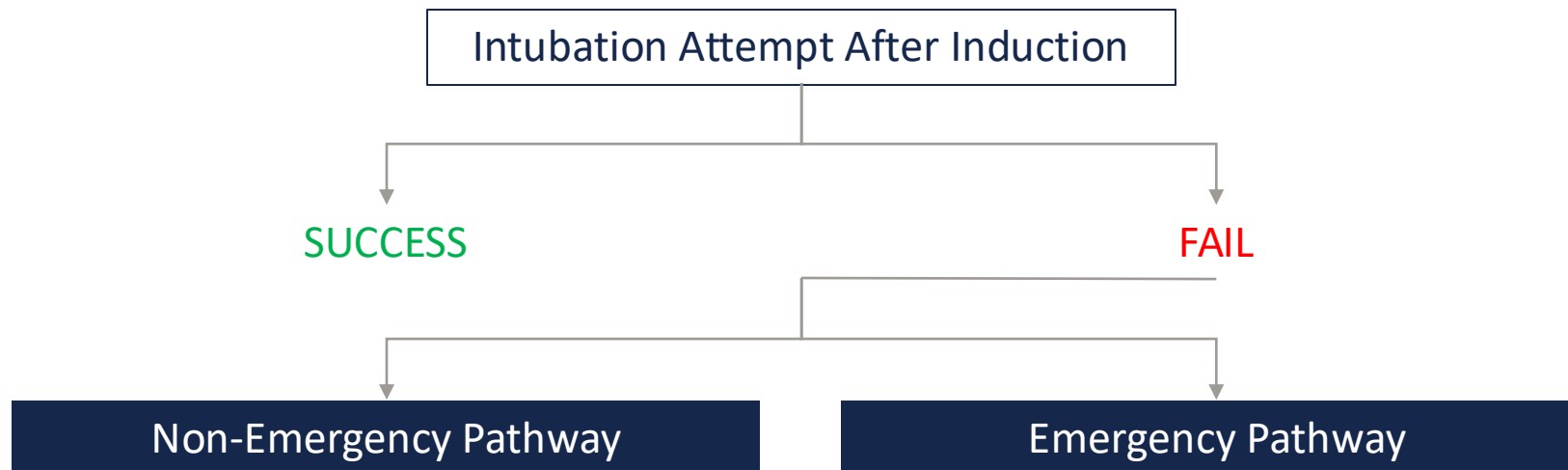


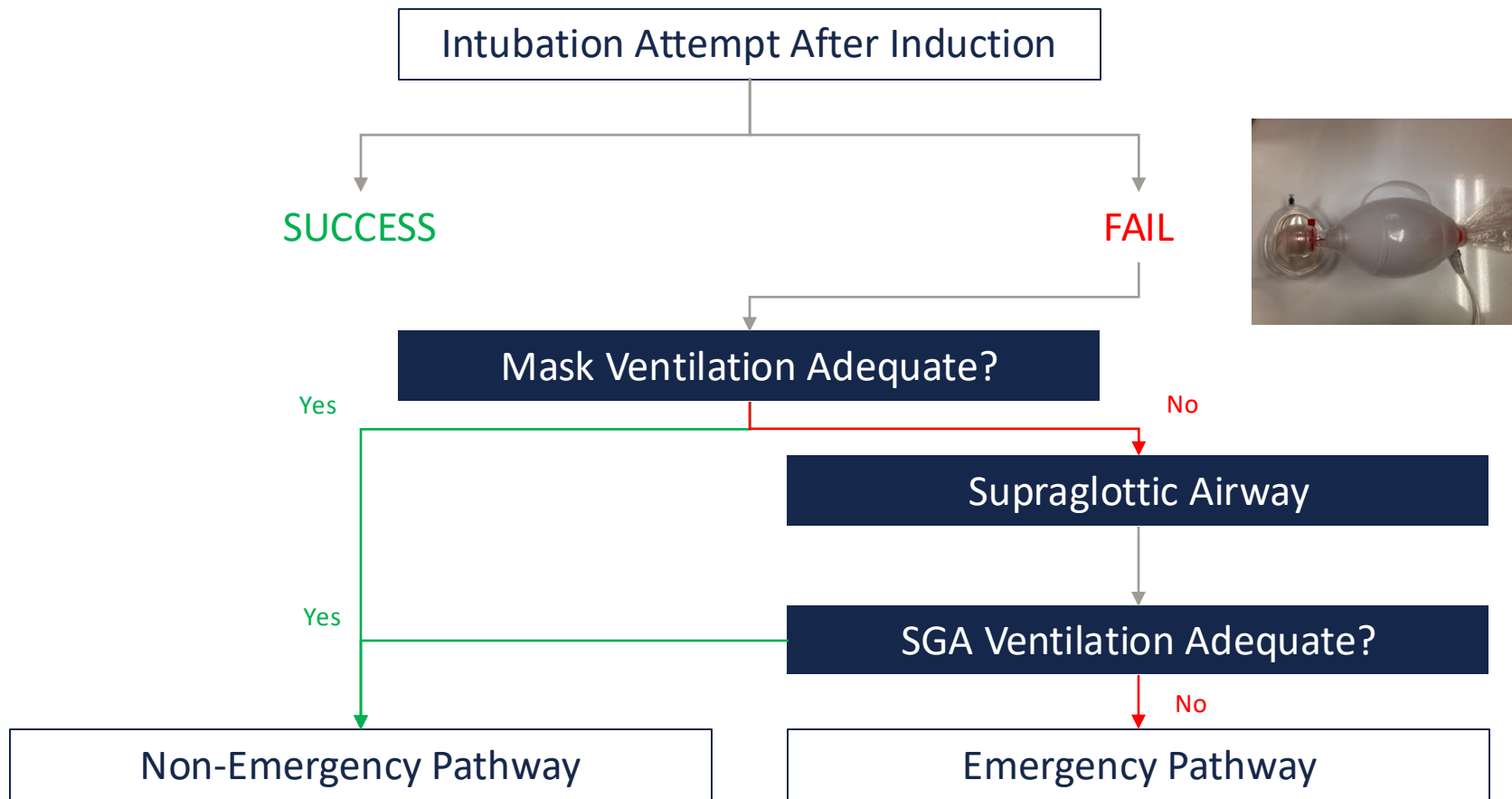
**OPTIMIZE
OXYGENATION**

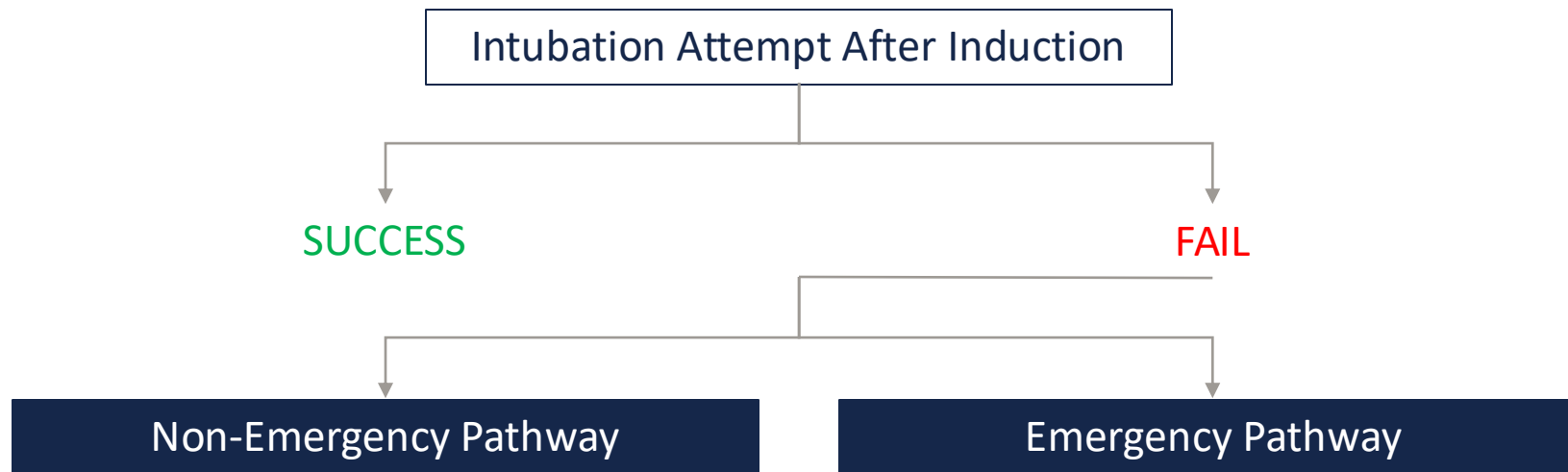


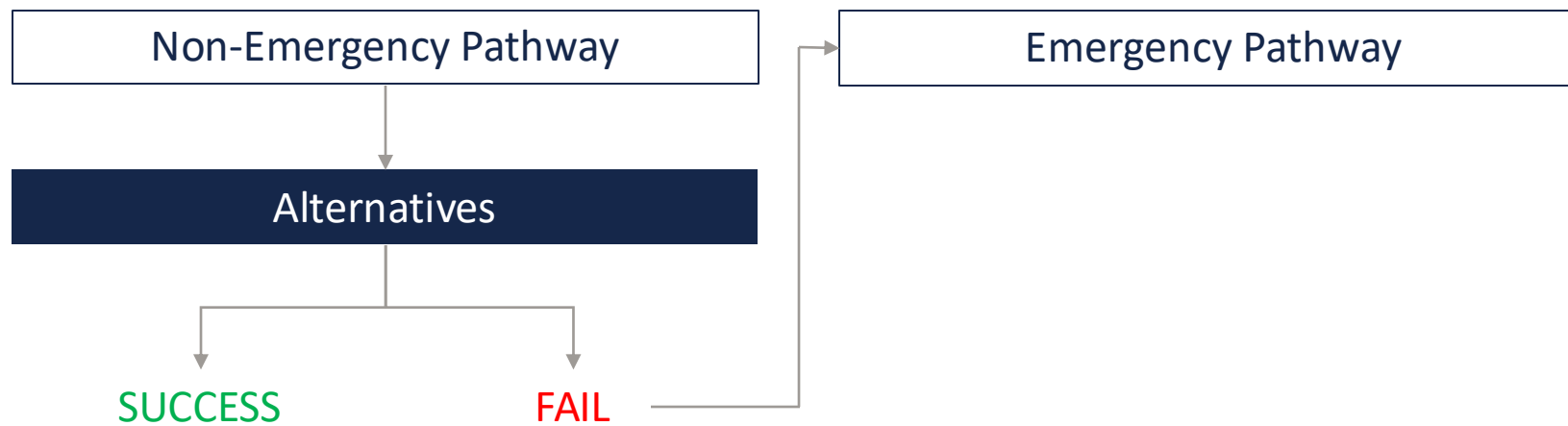


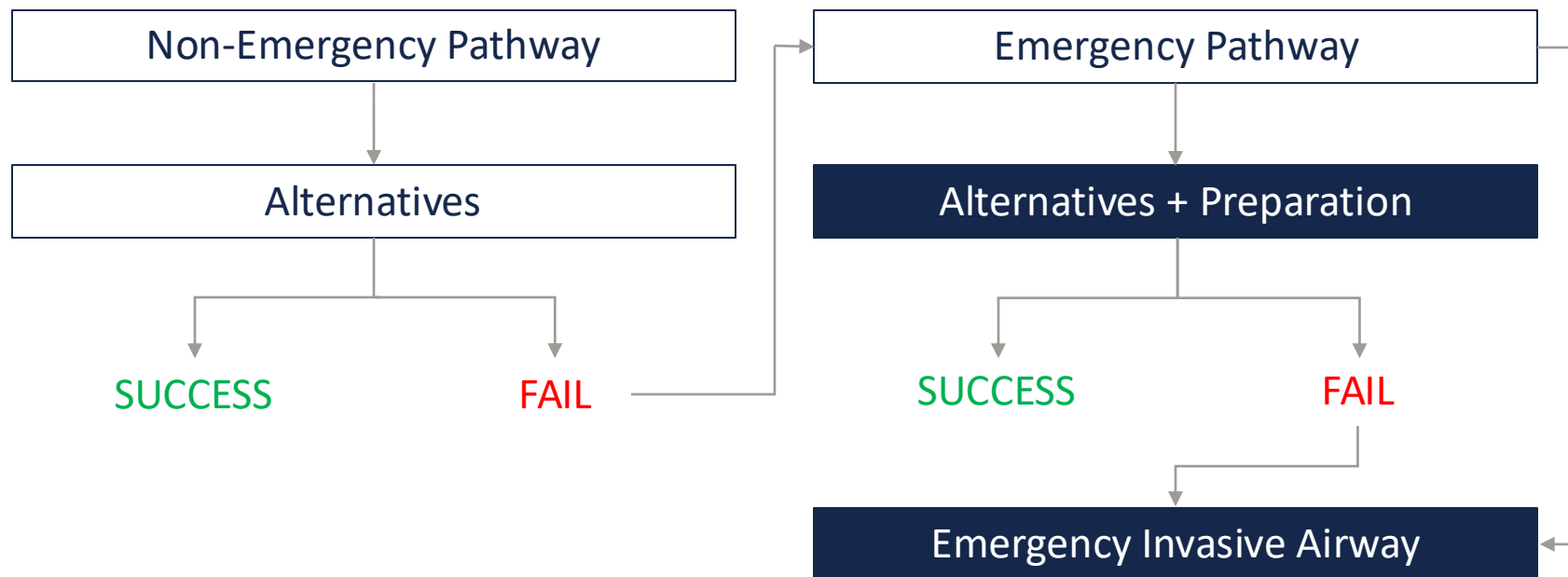




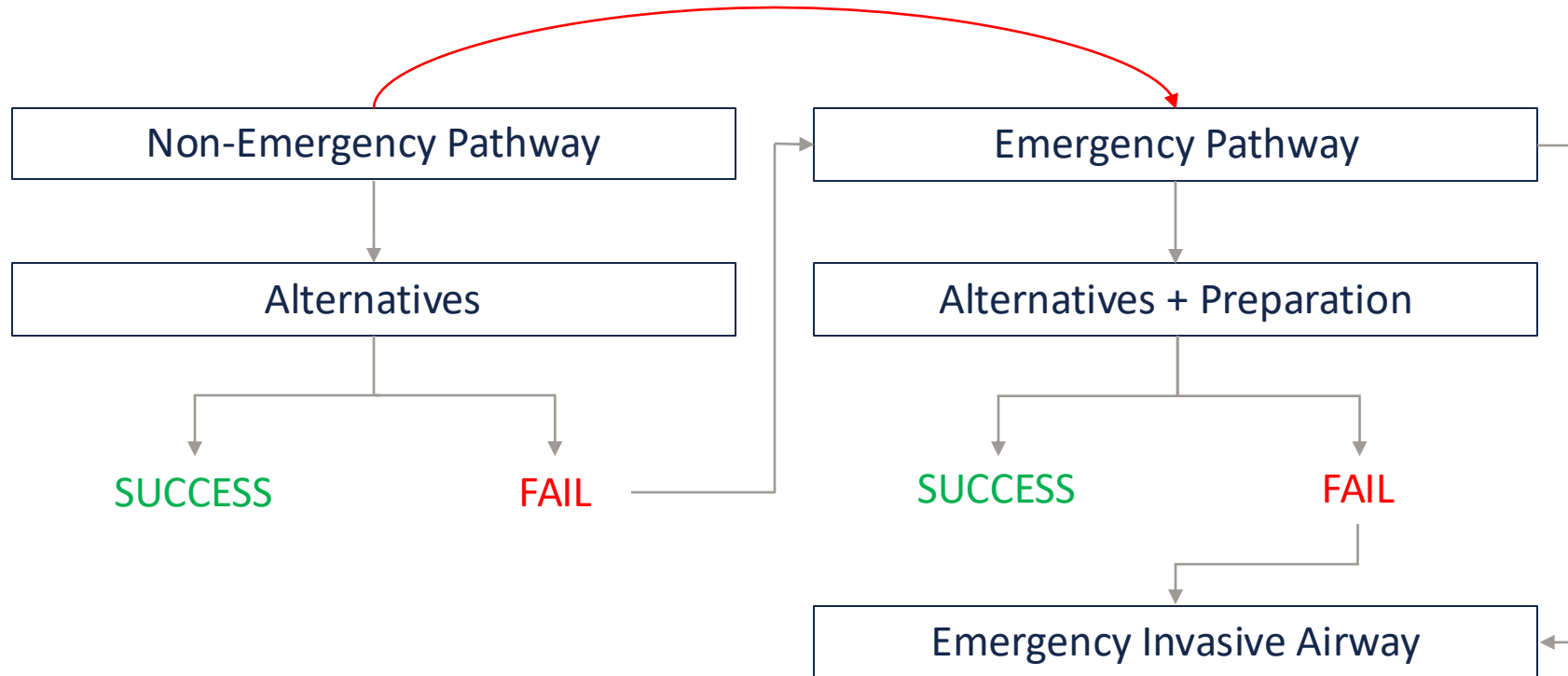




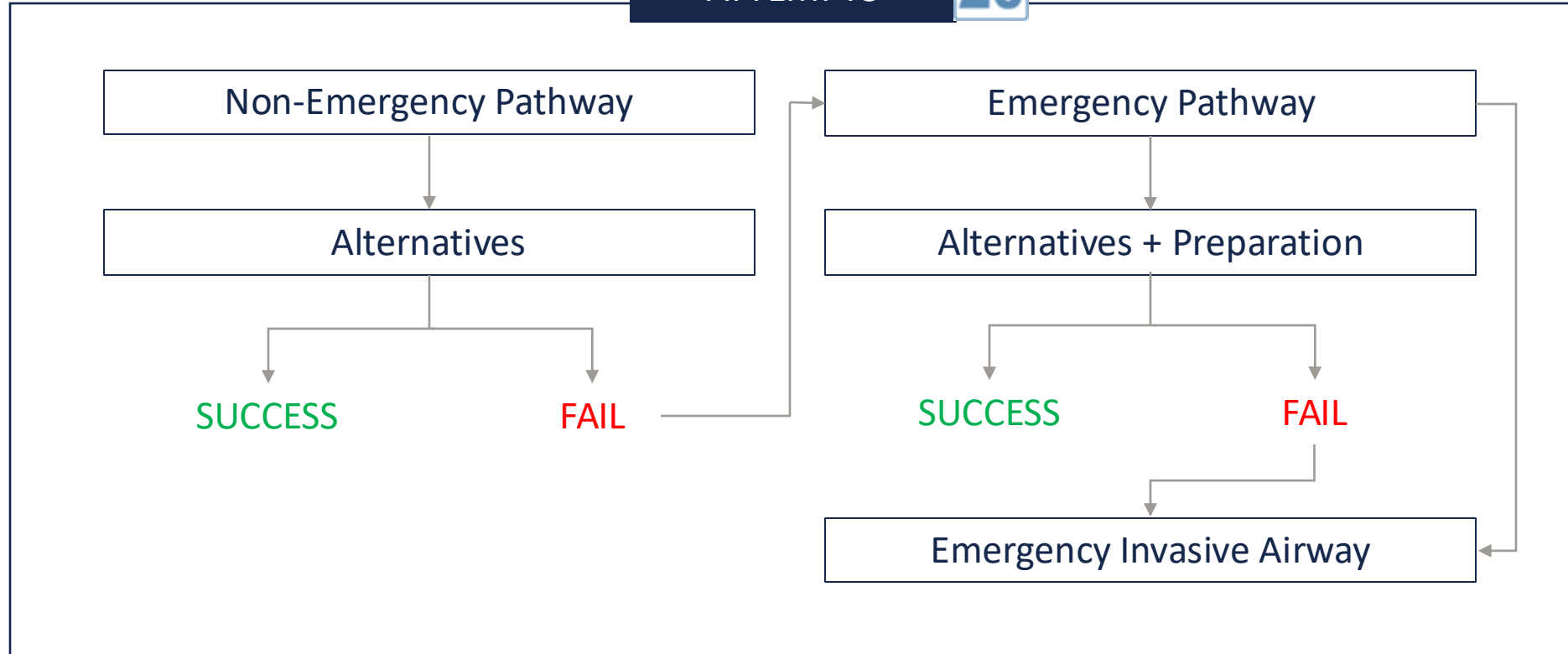




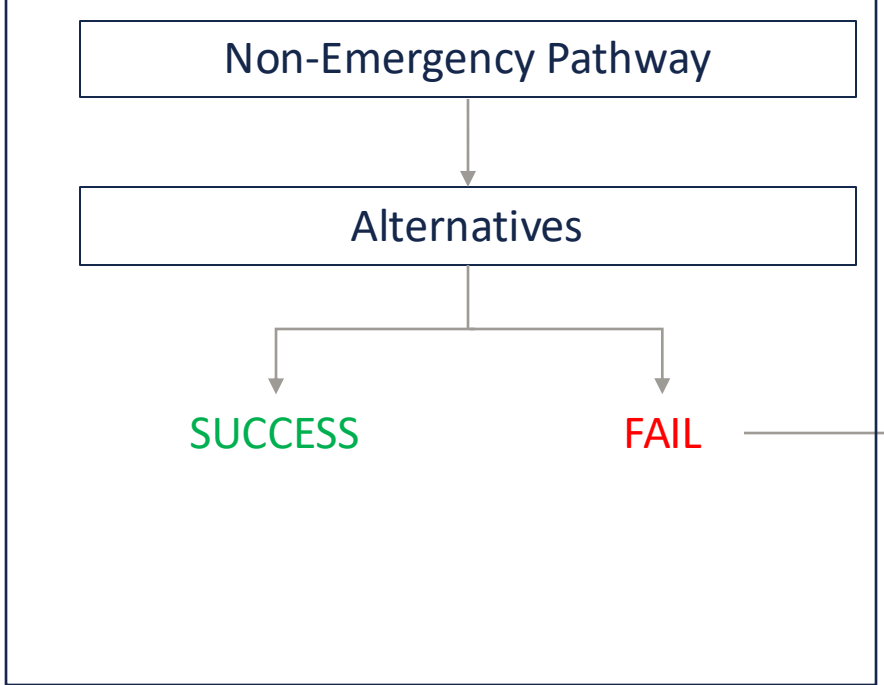
DETERIORATING VENTILATION



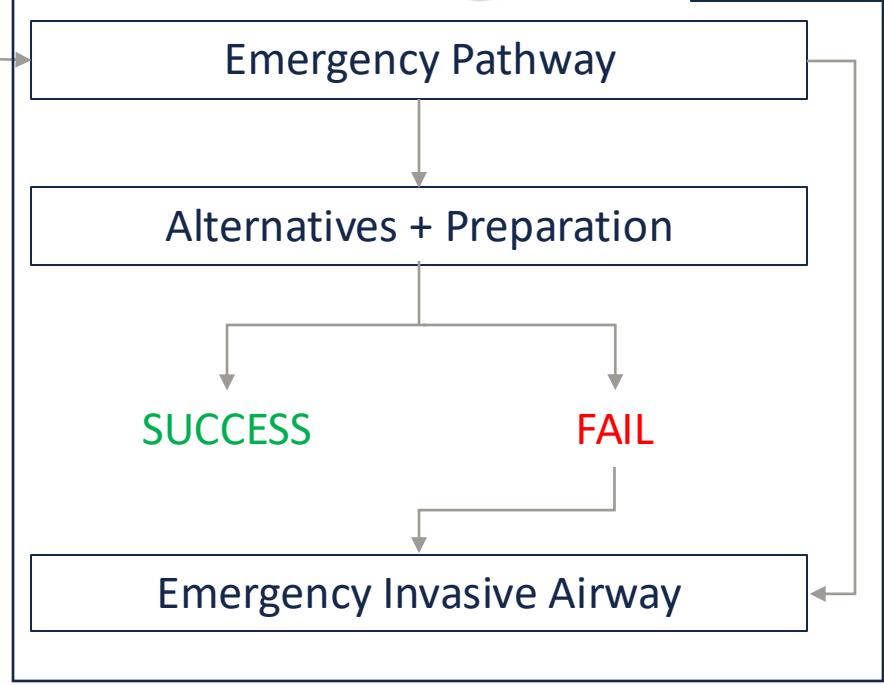
LIMIT ATTEMPTS



CONSIDER AWAKENING

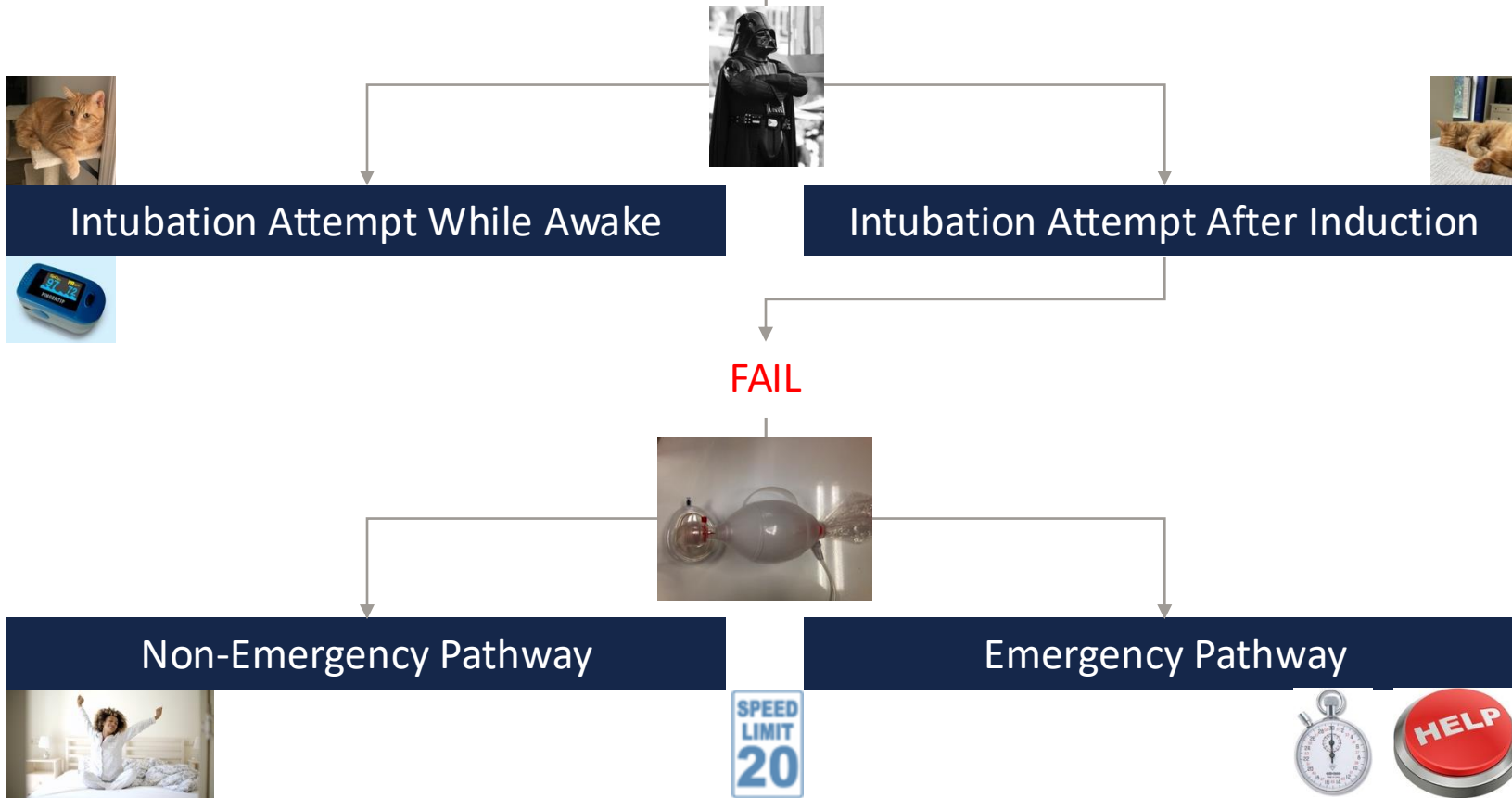


TIME + HELP



Summary

Suspected Difficult Laryngoscopy



Thank You!

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Images

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