

Collaboration Across Departments,
Collaboration Across Nations

The GAET Score: A Combination of Two Validated Scores,
the Cormack and Lehane Score and the POGO Score.

Jointly provided by:



S.K. NDOKO¹, S. LASSOUANI¹, N. FRATTINI¹, L. BENZERTI¹.
Territorial Hospital Group Grand Paris North-East, Hospital Center Robert Ballanger, Aulnay sous Bois, France.



PURPOSE / OBJECTIVES

- ❖ **Blade laryngoscopes** = First option for routine tracheal intubation despite video-assisted laryngoscopes.
- ❖ **Need of Accurate description** of laryngeal view specially after **unexpected difficult** tracheal intubation .
- ❖ **The GAET Score = POGO score + Cormack & Lehane score.**(1)
= An **ultimate and more discriminating score** (Figure 1).

Purpose: Matching the distribution of the **GAET score grades** to the previously Cormack extension reported by Yentis and Lee and Wilson et al.(2-3)

MATERIAL & METHODS

- We built the GAET score **based on The Cormack and Lehane score** by subdividing the whole glottis opening into four 25%-parts and each 25%-part represented one grade (Figure 1).
- We collected laryngeal views during attempts performed by experienced nurse anesthetists or anesthesiologists under optimal neuromuscular blockade.
- After tracheal intubation, a **GAET score diagram (Figure 1)** was displayed to the operator to **single out the right laryngeal view** they experienced.
- We matched **the GAET score grades distribution** (Figure 1) with that of Yentis and Lee and Wilson et al. scores.(2-3)

RESULTS

Lassouani et al.		Yentis and Lee		Wilson et al.		POGO score	Cormack & Lehane
N = 709		N = 663		N = 633			
Grades	n (%)	Matching Grades	n (%)	Matching Grades	n (%)		
-	279 (39.3)	1	450(67.8)	-	-	100% only	1
GAET 1	411 (58.0)	2a Partial view of glottis	162(24.4)	1 Almost all of cords	401(63.3)	100 -76%	“1”
GAET 2	117 (16.5)			-	-	75 - 51%	“1”
GAET 3	81 (11.4)			2 Only half of cords	121(19.1)	50 - 26%	“1”
GAET 4	46 (6.5)			-	-	25 - 1%	2
GAET 5	43 (6.0)	2b	43(6.5)	3 Only arytenoids	59(9.3)	0	“2”
GAET 6	8 (1.1)	3	8(1.2)	4 Only epiglottis	50(7.9)	0	3
GAET 7	3 (0.4)	4	0(0.0)	5 Only Tongue	2(0.3)	0	4

Table 1: Matching of the GAET score with two Cormack score extensions.
POGO, Percentage Of Glottic Opening; GAET, Glottis-Arytenoids-Epiglottis-Tongue.

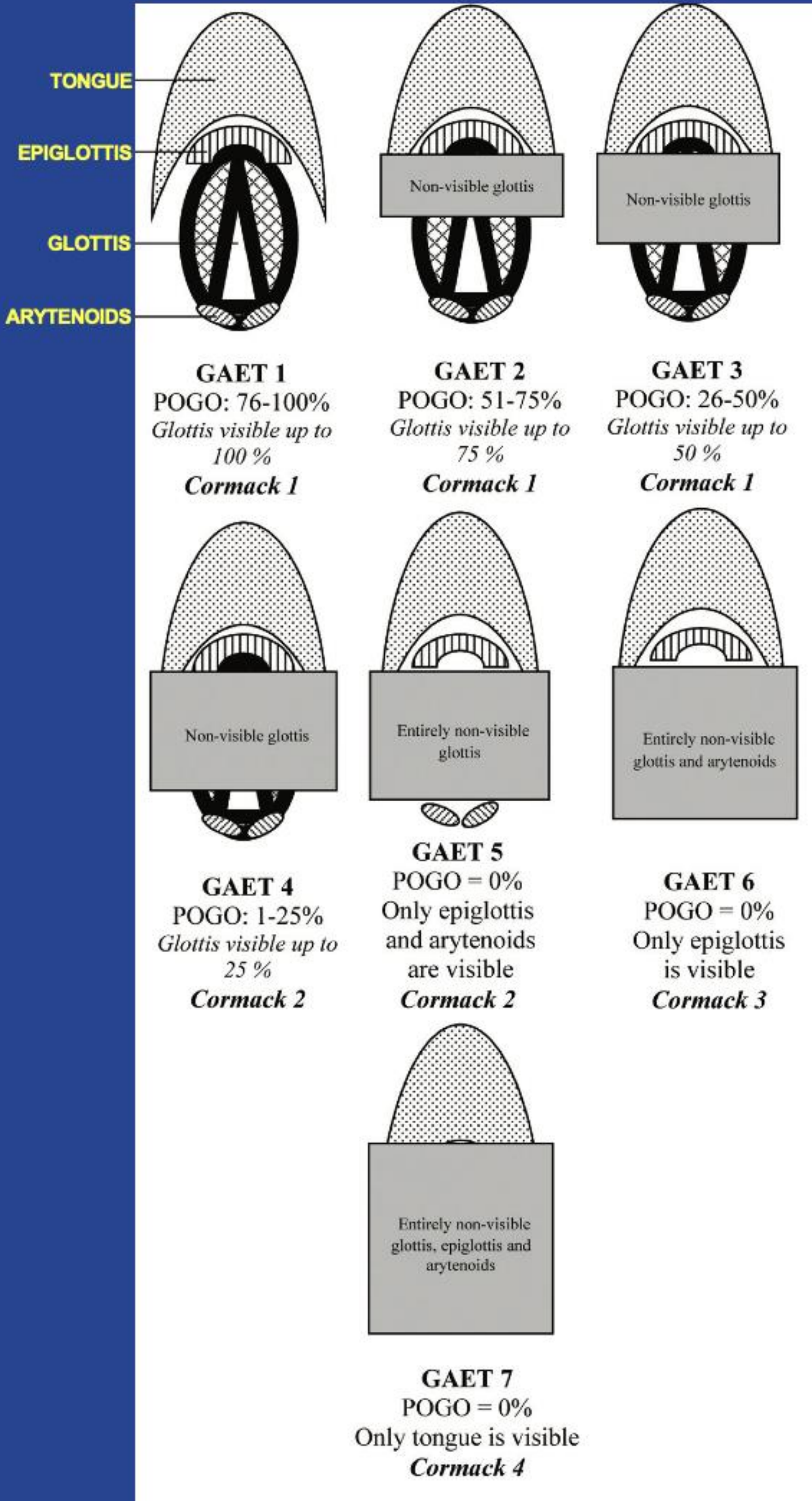


Figure 1. **The GAET Score.**

A combination of Cormack – Lehane and POGO scores for accurate description of the laryngeal view during tracheal intubation and IDS calculation. IDS, Intubation Difficulty Score; POGO, Percentage Of Glottic Opening.

RESULTS

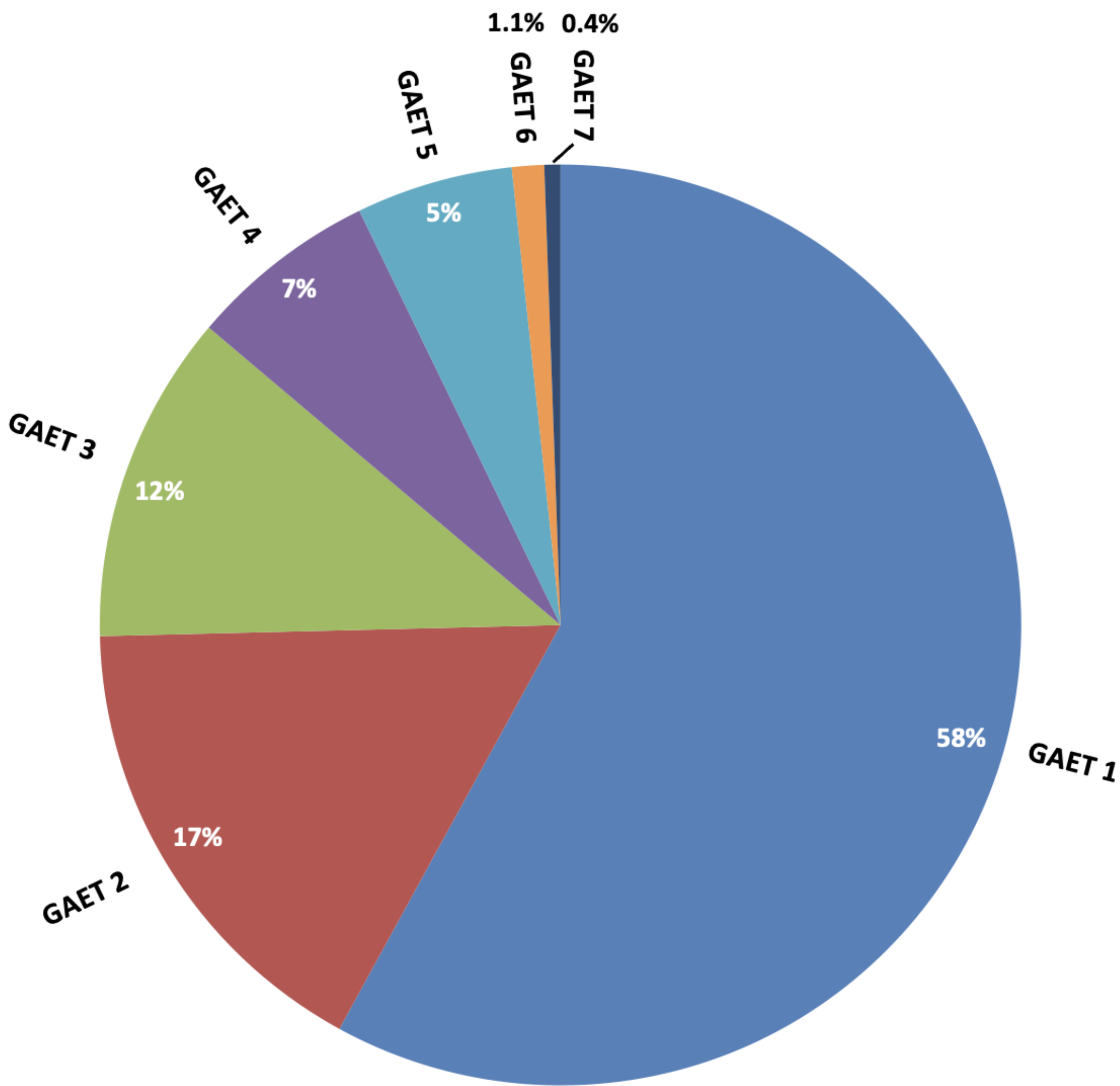


Figure 2. Distribution of laryngeal **views singled out on the GAET score diagram.**
This distribution matched well with that of both Yentis and Lee and Wilson et al.

SUMMARY / CONCLUSION

- **Display a GAET score diagram to operators** after tracheal intubation.
- **Single out the observed laryngeal view** on the diagram.
- **Anesthesiologists poorly memorized laryngeal view grading systems.**(4)
- **Would the GAET score be expected by anesthesiologists and nurse anesthetists around the world ?**

1. Lassouani S et al. <https://www.researchgate.net/search.Search.html?query=&type=publication>. doi: <https://doi.org/10.21203/rs.3.rs-3504127/v1>.
2. Yentis SM, Lee DJ. Anaesthesia 1998; 53: 1041-4.
3. Wilson ME et al. Br J Anaesth 1988; 61: 211-6.
4. Krage R. et al. Br J Anaesth. 2010; 105: 220-7.