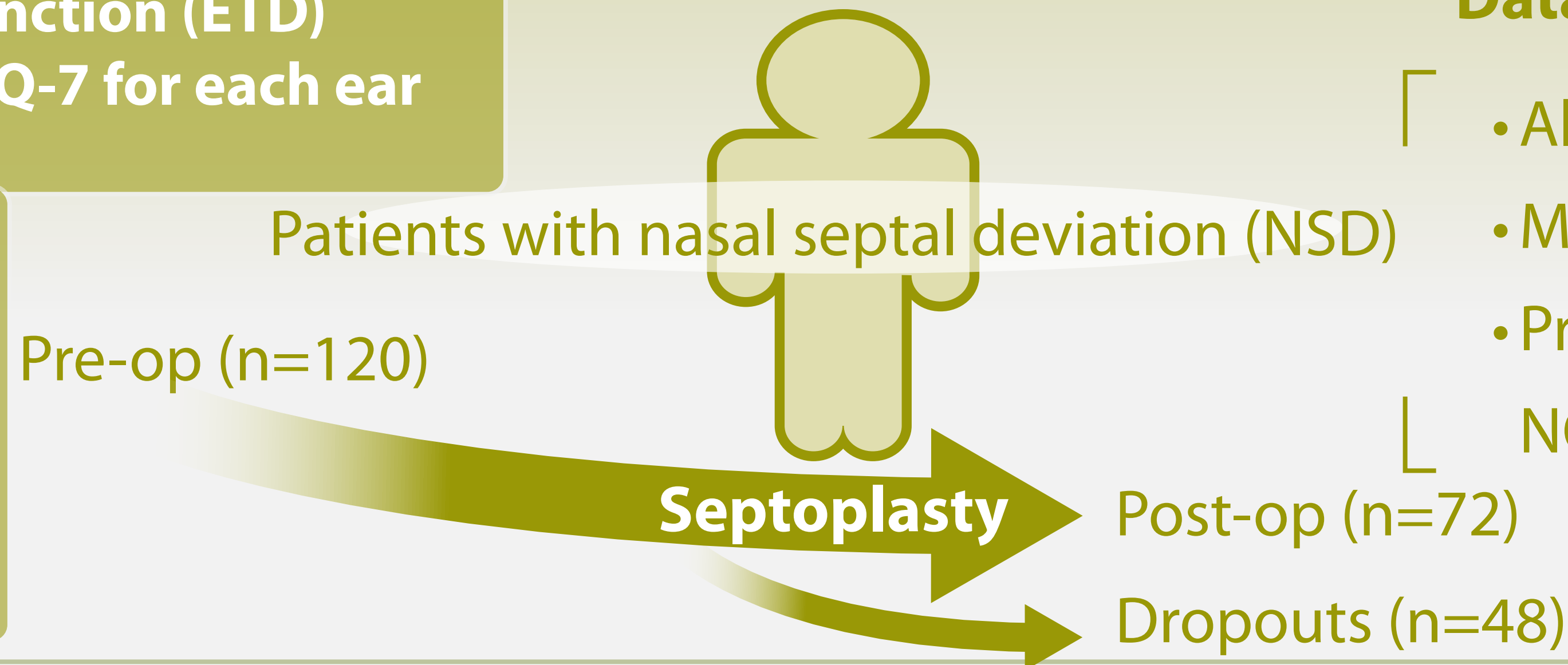


Influence of septal deviation side on preoperative eustachian tube dysfunction and the effectiveness of septoplasty in alleviating eustachian tube dysfunction

Eustachian tube dysfunction (ETD) assessment using ETDQ-7 for each ear

- Positive ETD group: ETDQ-7 score in either ear > 14.5
- Negative ETD group: ETDQ-7 score in both ears ≤ 14.5

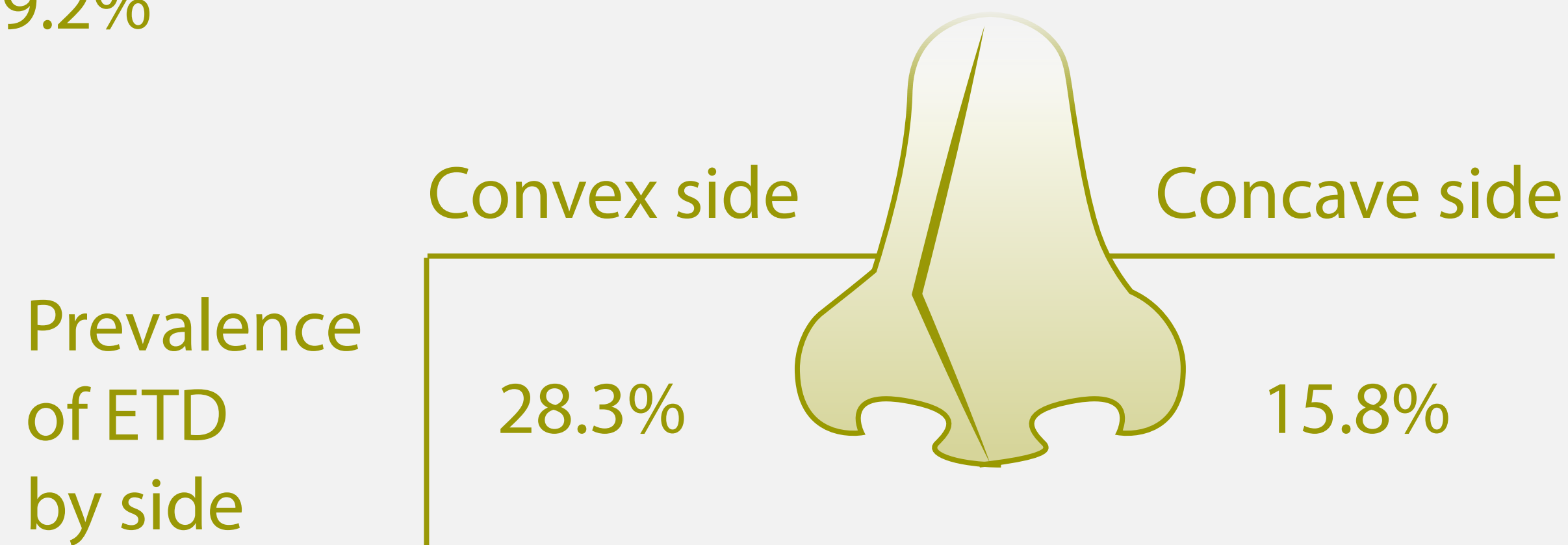


Data collection

- Allergic factor (immunoCAP)
- Mucosa factor (acoustic rhinometry)
- Pre-op, Post-op 1 & 3- month ETDQ-7, NOSE

Influence of NSD side on ETD for each ear

Preoperative average prevalence of ETD: 29.2%



Effectiveness of septoplasty in alleviating ETD for each ear

	Convex side	Concave side
Significant improvement rate of ETDQ-7 scores		
Positive ETD group (n=23)	66.7%	33.3%
Negative ETD group (n=49)	12.2%	6.1%

- No significant differences in allergic and mucosal factors between groups or between sides in each group