

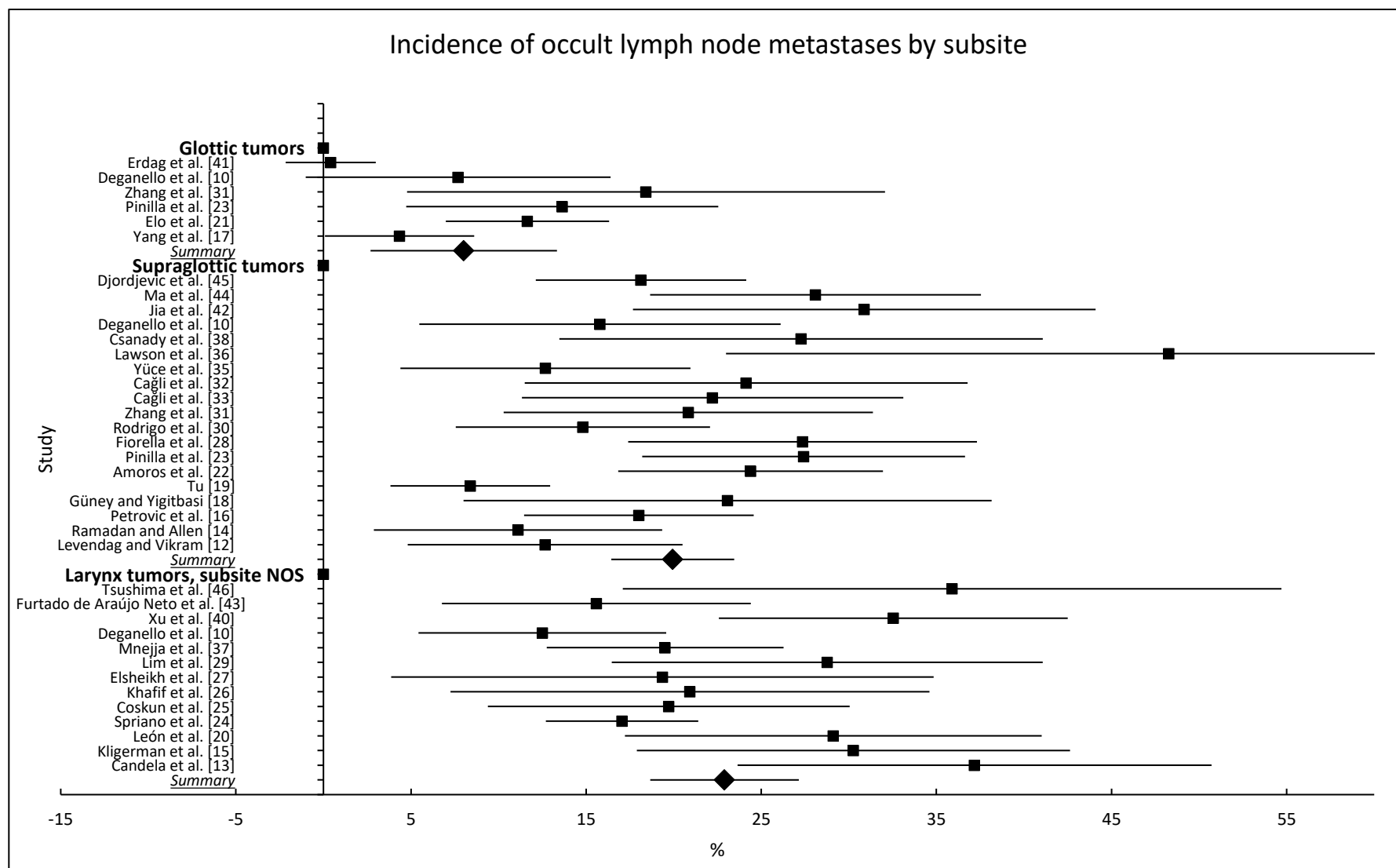
# Incidence of Occult Lymph Node Metastasis in Primary Larynx Squamous Cell Carcinoma, by Subsite, T Classification and Neck Level: A Systematic Review

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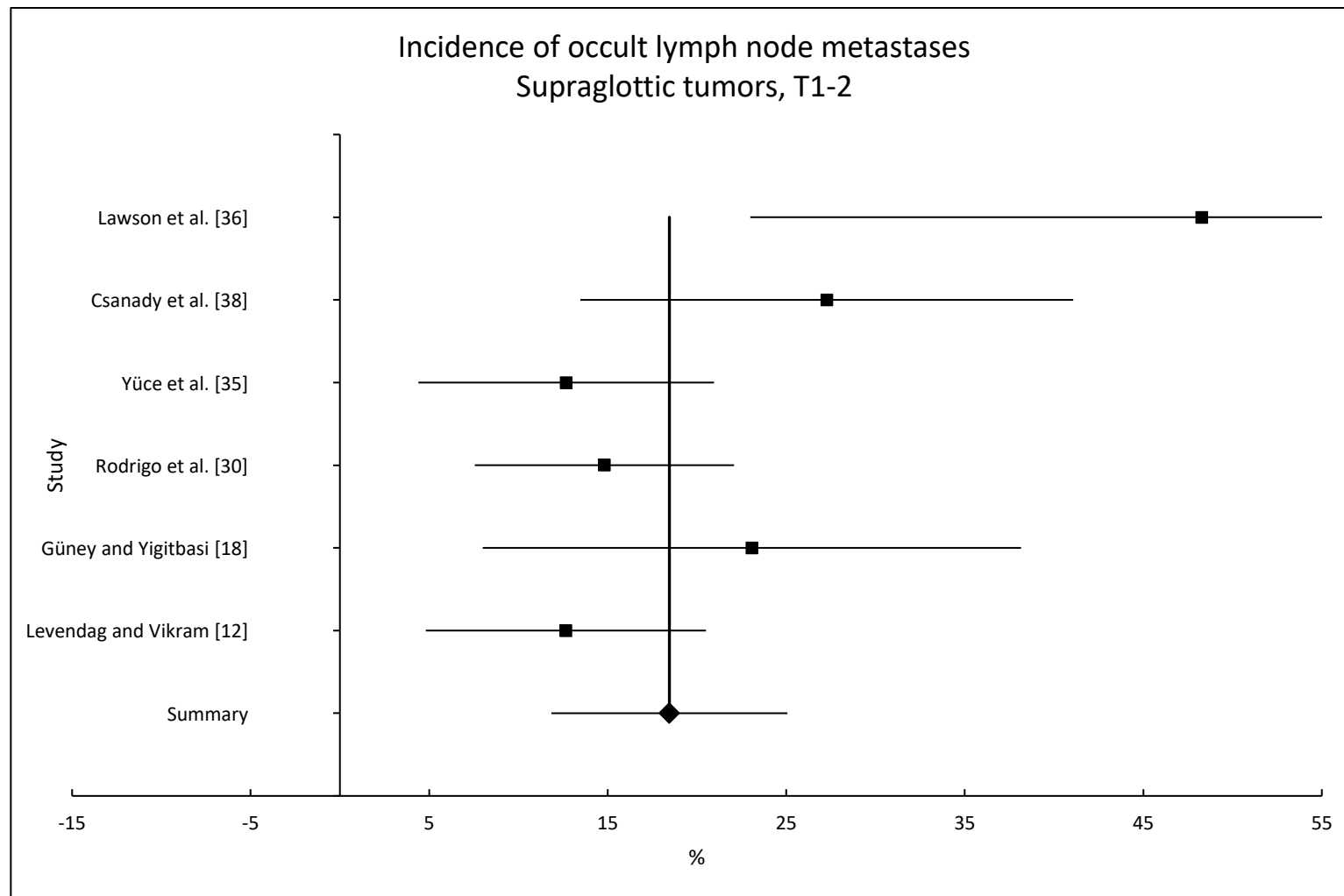
**Table S1.** Data on involvement of lymph node levels by occult neck metastasis in cN0 larynx cancer.

| Level | Number of studies that evaluated the outcome | Subsite | Pooled incidence (95% CI, I <sup>2</sup> )    |
|-------|----------------------------------------------|---------|-----------------------------------------------|
| I     | 2 [10,13]                                    | LNOS    | 2.4% (95% CI 0–6.1%, I <sup>2</sup> = 54%)    |
| II    | 7 [10,13,24,27,29,34,46]                     | LNOS    | 12.8% (95% CI 9.8–15.8, I <sup>2</sup> = 27%) |
| II    | 4 [32,33,44,45]                              | S       | 25.8% (95% CI 20.1–31.6, I <sup>2</sup> = 0)  |
| IIb   | 6 [25,27,37,42,44,46]                        | All     | 0.5% (95% CI 0–1.3, I <sup>2</sup> = 41%)     |
| III   | 7 [10,13,24,27,29,34,46]                     | LNOS    | 8.3% (95% CI 4.8–11.7, I <sup>2</sup> = 64%)  |
| III   | 4 [32,33,44,45]                              | S       | 10.2% (95% CI 3.7–16.7, I <sup>2</sup> = 76%) |
| IV    | 13 [10,13,20,24–27,29,34,37,39,43,46]        | LNOS    | 2.0% (95% CI 0.9–3.1, I <sup>2</sup> = 55%)   |
| IV    | 4 [32,33,44,45]                              | S       | 0.9% (95% CI 0–1.7, I <sup>2</sup> = 46%)     |
| V     | 5 [10,13,20,24,34]                           | LNOS    | 0.4% (95% CI 0–1.0%, I <sup>2</sup> = 64%)    |

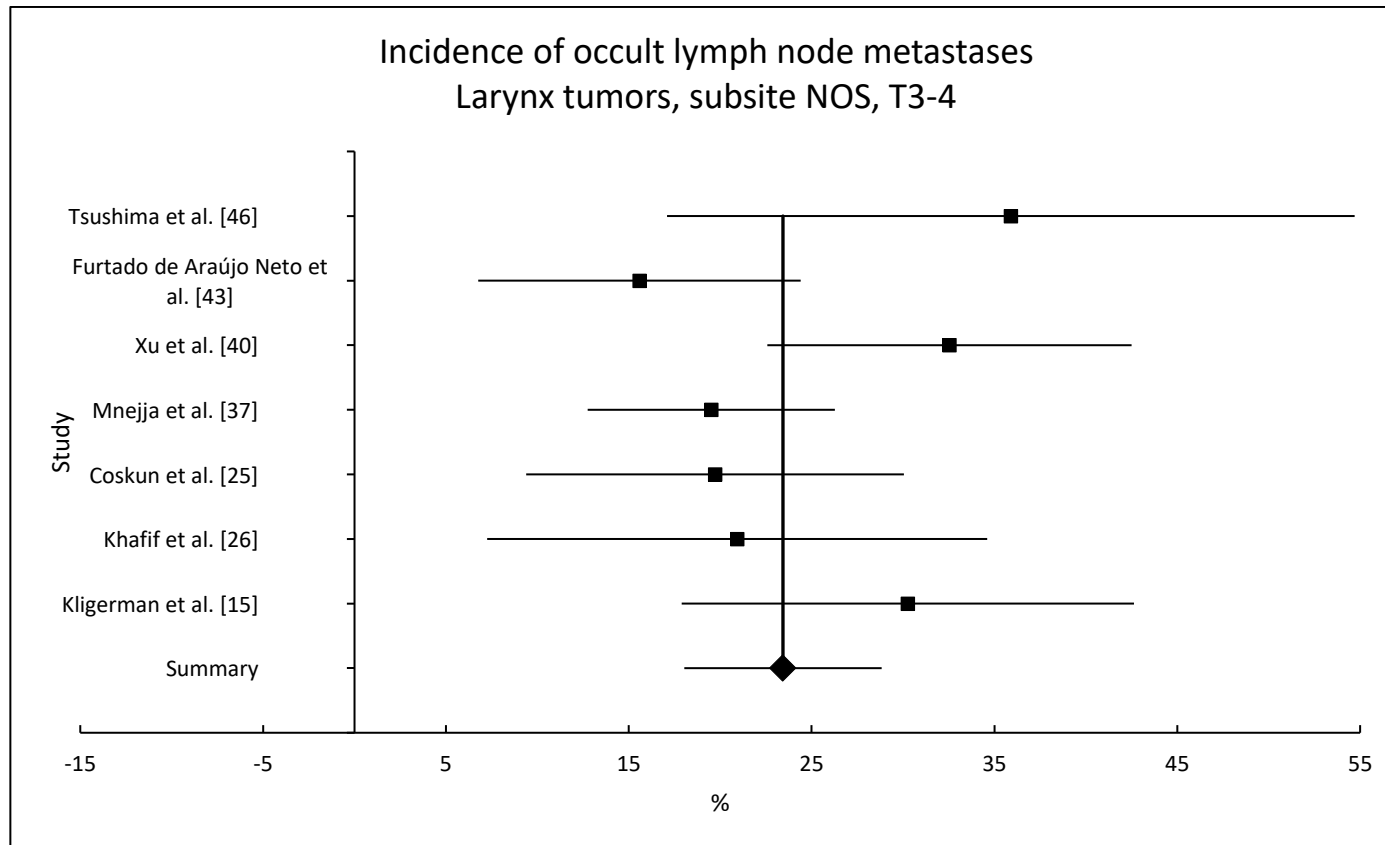
S: supraglottic, LNOS: larynx, not otherwise specified.



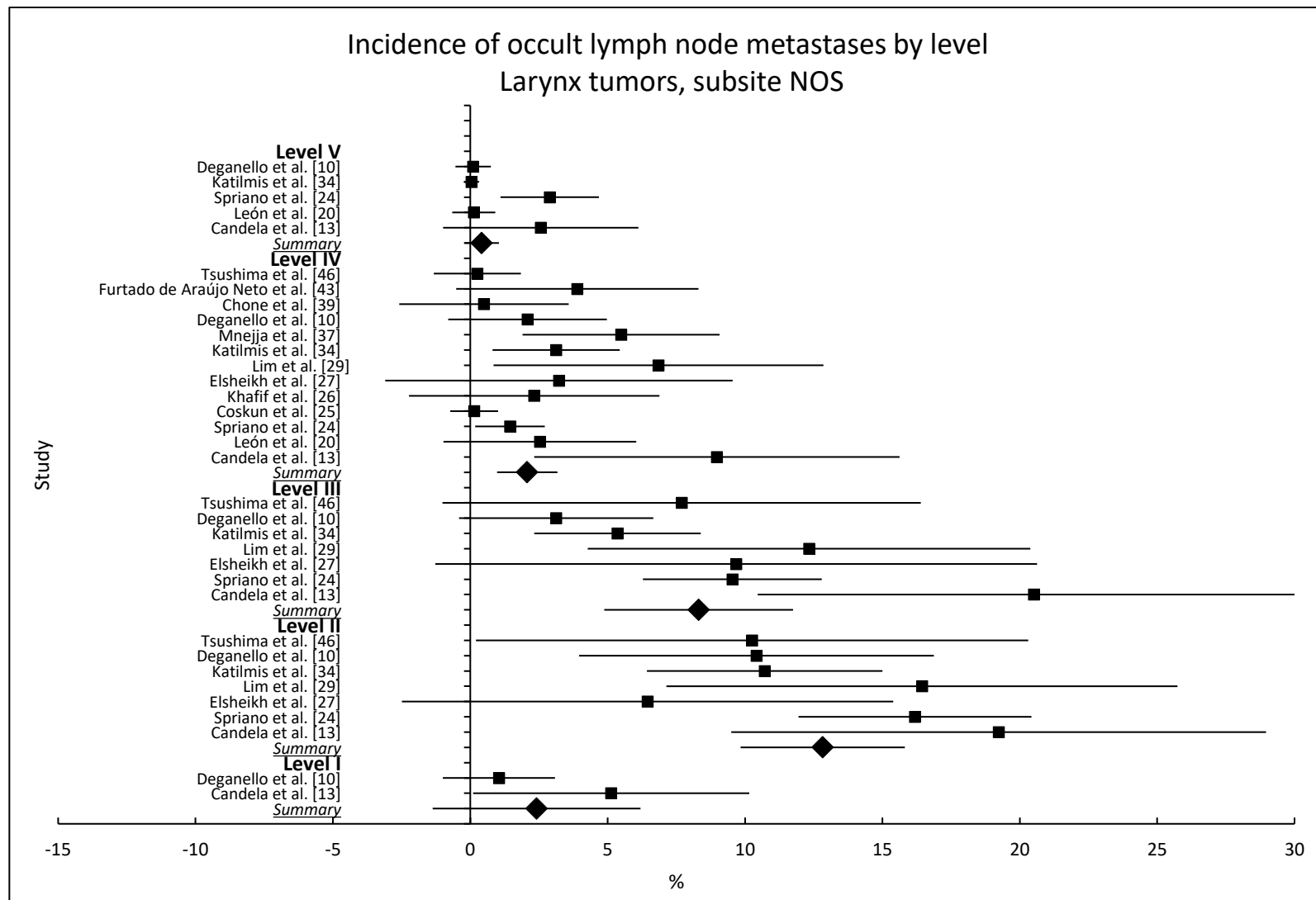
**Figure S1.** Pooled incidence of occult lymph metastasis in larynx cancer by subsite. NOS: not otherwise specified.



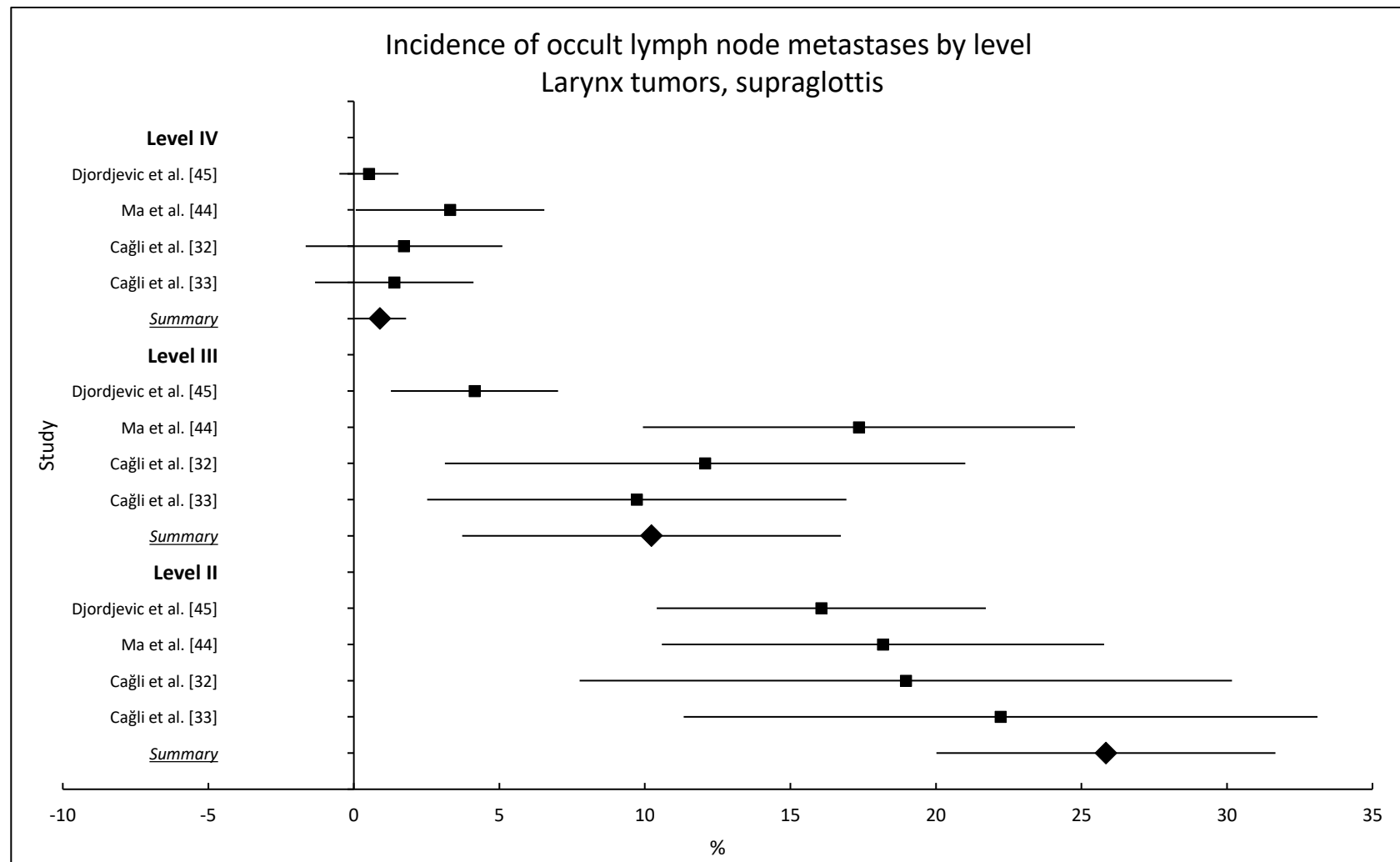
**Figure S2.** Pooled incidence of occult lymph metastasis in supraglottic larynx tumor, T1–2 stage.



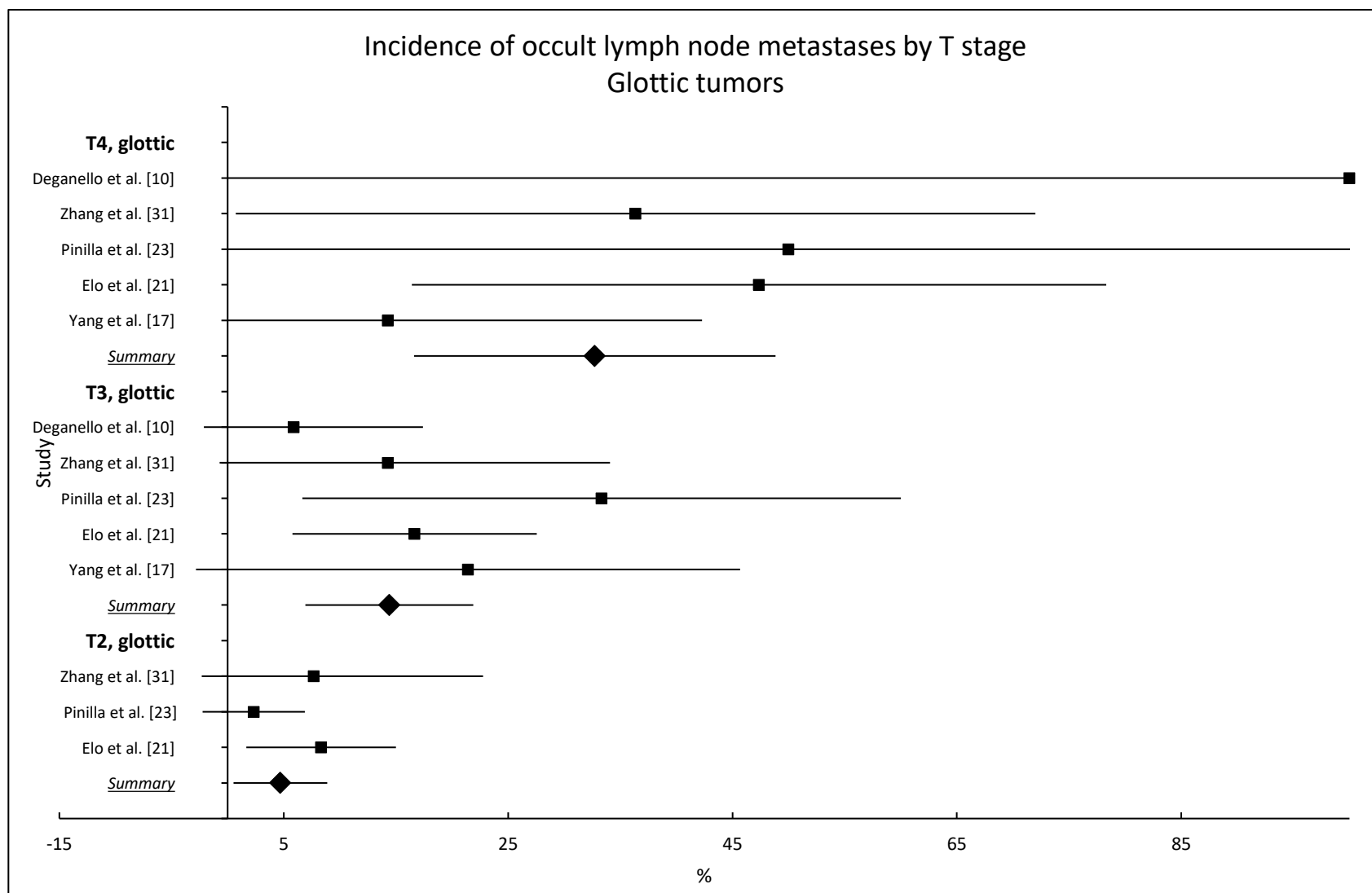
**Figure S3.** Pooled incidence of occult lymph metastasis in larynx cancer, subsite NOS (not otherwise specified), T3–4 stages.



**Figure S4.** Pooled incidence of occult lymph metastasis by levels for larynx tumor, subsite NOS (not otherwise specified).



**Figure S5.** Pooled incidence of occult lymph metastasis by levels for supraglottic tumor.



**Figure S6.** Pooled incidence of occult lymph metastasis for glottic tumor by stage.

## Incidence of occult lymph node metastases by T stage Supraglottic tumors

### T4, supraglottic

Ma et al. [44]  
Jia et al. [42]  
Deganello et al. [10]  
Cağli et al. [32]  
Cağli et al. [33]  
Zhang et al. [31]  
Fiorella et al. [28]  
Pinilla et al. [23]  
Petrovic et al. [16]  
Ramadan and Allen [14]  
*Summary*

### T3, supraglottic

Ma et al. [44]  
Jia et al. [42]  
Deganello et al. [10]  
Cağli et al. [32]  
Cağli et al. [33]  
Zhang et al. [31]  
Fiorella et al. [28]  
Pinilla et al. [23]  
Petrovic et al. [16]  
Ramadan and Allen [14]  
*Summary*

### T2, supraglottic

Ma et al. [44]  
Jia et al. [42]  
Deganello et al. [10]  
Cağli et al. [32]  
Cağli et al. [33]  
Zhang et al. [31]  
Fiorella et al. [28]  
Pinilla et al. [23]  
Petrovic et al. [16]  
Ramadan and Allen [14]  
*Summary*

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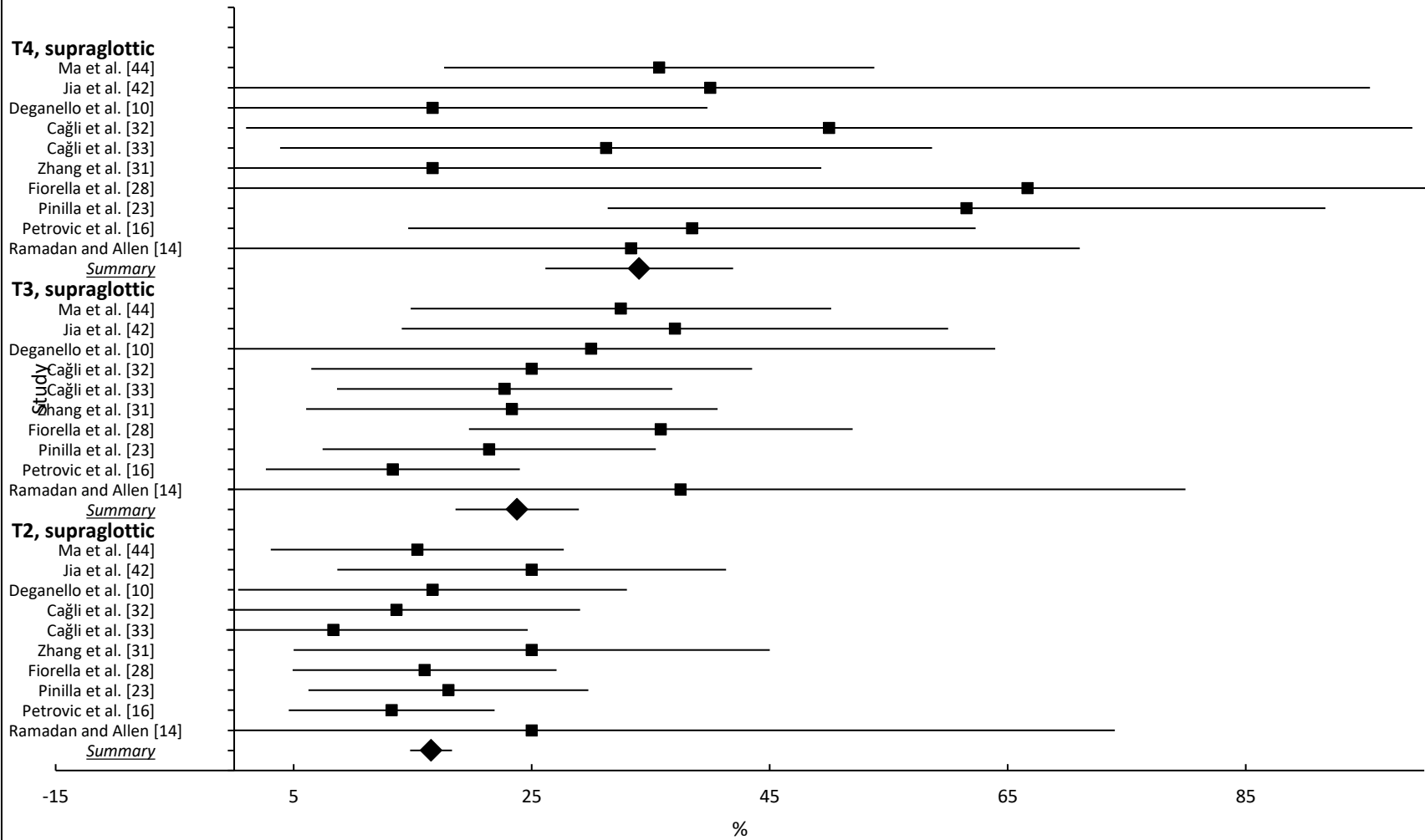
25

%

45

65

85





**Figure S7.** Pooled incidence of occult lymph metastasis for supraglottic tumor by stage.



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