**GENDER: FEMALE (CRL HIGH RISK)– META-ANALSIS**

OR 95%-CI %W(fixed) %W(random)

Peng et al. 2010 2.9835 [1.0439; 8.5270] 47.5 36.6

Yang et al. 2013 0.8264 [0.2462; 2.7745] 35.7 34.8

Ye et al. 2021 21.7778 [3.7339; 127.0193] 16.8 28.5

Number of studies combined: k = 3

OR 95%-CI z p-value

Fixed effect model 2.6367 [1.2789; 5.4362] 2.63 0.0086

Random effects model 3.3648 [0.6712; 16.8673] 1.48 0.1401

Quantifying heterogeneity:

tau^2 = 1.5601; H = 2.13 [1.19; 3.83]; I^2 = 78.0% [28.9%; 93.2%]

Test of heterogeneity:

Q d.f. p-value

9.09 2 0.0106

Details on meta-analytical method:

- Inverse variance method

- DerSimonian-Laird estimator for tau^2

**TRIM AND FILL ANALYSIS OF** **GENDER FEMALE**

OR 95%-CI %W(random)

Peng et al. 2010 2.9835 [1.0439; 8.5270] 27.3

Yang et al. 2013 0.8264 [0.2462; 2.7745] 26.5

Ye et al. 2021 21.7778 [3.7339; 127.0193] 23.1

Filled: Ye et al. 2021 0.1358 [0.0233; 0.7920] 23.1

Number of studies combined: k = 4 (with 1 added studies)

OR 95%-CI z p-value

Random effects model 1.6469 [0.2919; 9.2920] 0.57 0.5720

Quantifying heterogeneity:

tau^2 = 2.5639; H = 2.48 [1.56; 3.94]; I^2 = 83.7% [58.7%; 93.6%]

Test of heterogeneity:

Q d.f. p-value

18.39 3 0.0004

Details on meta-analytical method:

- Inverse variance method

- DerSimonian-Laird estimator for tau^2

- Trim-and-fill method to adjust for funnel plot asymmetry

**GENDER: MALE (CRL HIGH RISK) – META-ANALYSIS**

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| OR 95%-CI %W(fixed) %W(random)  Peng et al. 2010 2.3511 [0.9370; 5.8991] 55.2 51.9  Yang et al. 2013 1.5625 [0.4196; 5.8187] 27.0 28.5  Ye et al. 2021 7.5625 [1.4990; 38.1524] 17.8 19.6  Number of studies combined: k = 3  OR 95%-CI z p-value  Fixed effect model 2.5929 [1.3093; 5.1349] 2.73 0.0063  Random effects model 2.6314 [1.2456; 5.5590] 2.54 0.0112  Quantifying heterogeneity:  tau^2 = 0.0605; H = 1.07 [1.00; 3.32]; I^2 = 12.8% [0.0%; 90.9%]  Test of heterogeneity:  Q d.f. p-value  2.29 2 0.3176  Details on meta-analytical method:  - Inverse variance method  - DerSimonian-Laird estimator for tau^2 |
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**TRIM AND FILL ANALYS OF GENDER: MALE (CRL HIGH RISK)**

OR 95%-CI %W(random)

Peng et al. 2010 2.3511 [0.9370; 5.8991] 51.9

Yang et al. 2013 1.5625 [0.4196; 5.8187] 28.5

Ye et al. 2021 7.5625 [1.4990; 38.1524] 19.6

Number of studies combined: k = 3 (with 0 added studies)

OR 95%-CI z p-value

Random effects model 2.6314 [1.2456; 5.5590] 2.54 0.0112

Quantifying heterogeneity:

tau^2 = 0.0605; H = 1.07 [1.00; 3.32]; I^2 = 12.8% [0.0%; 90.9%]

Test of heterogeneity:

Q d.f. p-value

2.29 2 0.3176

Details on meta-analytical method:

- Inverse variance method

- DerSimonian-Laird estimator for tau^2

- Trim-and-fill method to adjust for funnel plot asymmetry

**GENDER: MALE x FEMANE – META-ANALYSIS**

OR 95%-CI %W(fixed) %W(random)

Peng et al. 2010 1.1265 [0.4198; 3.0231] 51.3 51.3

Yang et al. 2013 0.7273 [0.2055; 2.5742] 31.3 31.3

Ye et al. 2021 1.6970 [0.3124; 9.2195] 17.4 17.4

Number of studies combined: k = 3

OR 95%-CI z p-value

Fixed effect model 1.0552 [0.5204; 2.1396] 0.15 0.8816

Random effects model 1.0552 [0.5204; 2.1396] 0.15 0.8816

Quantifying heterogeneity:

tau^2 = 0; H = 1.00 [1.00; 1.77]; I^2 = 0.0% [0.0%; 68.1%]

Test of heterogeneity:

Q d.f. p-value

0.65 2 0.7216

Details on meta-analytical method:

- Inverse variance method

- DerSimonian-Laird estimator for tau^2

**TRIM AND FILL ANALYSIS: GENDER: MALE x FEMANE – META-ANALYSIS**

OR 95%-CI %W(random)

Peng et al. 2010 1.1265 [0.4198; 3.0231] 43.7

Yang et al. 2013 0.7273 [0.2055; 2.5742] 26.6

Ye et al. 2021 1.6970 [0.3124; 9.2195] 14.9

Filled: Ye et al. 2021 0.5368 [0.0988; 2.9162] 14.9

Number of studies combined: k = 4 (with 1 added studies)

OR 95%-CI z p-value

Random effects model 0.9544 [0.4971; 1.8324] -0.14 0.8885

Quantifying heterogeneity:

tau^2 = 0; H = 1.00 [1.00; 1.60]; I^2 = 0.0% [0.0%; 60.9%]

Test of heterogeneity:

Q d.f. p-value

1.17 3 0.7592

Details on meta-analytical method:

- Inverse variance method

- DerSimonian-Laird estimator for tau^2

- Trim-and-fill method to adjust for funnel plot asymmetry

**TUMOR STAGING – META-ANLYSIS**

OR 95%-CI %W(fixed) %W(random)

Kabbage et al. 2013 0.3046 [0.0562; 1.6498] 28.0 32.4

Yang et al. 2013 3.6819 [1.0655; 12.7231] 52.0 39.5

Ye et al. 2021 1.6256 [0.2210; 11.9571] 20.1 28.1

Number of studies combined: k = 3

OR 95%-CI z p-value

Fixed effect model 1.5557 [0.6365; 3.8026] 0.97 0.3325

Random effects model 1.3047 [0.2790; 6.1014] 0.34 0.7354

Quantifying heterogeneity:

tau^2 = 1.1681; H = 1.65 [1.00; 3.08]; I^2 = 63.2% [0.0%; 89.5%]

Test of heterogeneity:

Q d.f. p-value

5.44 2 0.0660

Details on meta-analytical method:

- Peto method

- DerSimonian-Laird estimator for tau^2

**TRIM AND FILL ANALYSIS OF TUMOR STAGING**

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| OR 95%-CI %W(random)  Kabbage et al. 2013 0.3046 [0.0562; 1.6498] 32.4  Yang et al. 2013 3.6819 [1.0655; 12.7231] 39.5  Ye et al. 2021 1.6256 [0.2210; 11.9571] 28.1  Number of studies combined: k = 3 (with 0 added studies)  OR 95%-CI z p-value  Random effects model 1.3047 [0.2790; 6.1014] 0.34 0.7354  Quantifying heterogeneity:  tau^2 = 1.1681; H = 1.65 [1.00; 3.08]; I^2 = 63.2% [0.0%; 89.5%]  Test of heterogeneity:  Q d.f. p-value  5.44 2 0.0660  Details on meta-analytical method:  - Inverse variance method  - DerSimonian-Laird estimator for tau^2  - Trim-and-fill method to adjust for funnel plot asymmetry |
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**LYMPH NODE – META-ANALYSIS**

OR 95%-CI %W(fixed) %W(random)

Kabbage et al. 2013 1.6000 [0.3964; 6.4580] 63.0 63.0

Ye et al. 2021 1.9643 [0.3182; 12.1241] 37.0 37.0

Number of studies combined: k = 2

OR 95%-CI z p-value

Fixed effect model 1.7262 [0.5704; 5.2241] 0.97 0.3339

Random effects model 1.7262 [0.5704; 5.2241] 0.97 0.3339

Quantifying heterogeneity:

tau^2 = 0; H = 1.00; I^2 = 0.0%

Test of heterogeneity:

Q d.f. p-value

0.03 1 0.8608

Details on meta-analytical method:

- Inverse variance method

- DerSimonian-Laird estimator for tau^2