**Table 2. Results of the studies retrieved from 2󠅂×2 Tables (blood eosinophil percentage)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Author (year)** | **Results (n)** | **Sensitivity** | **Specificity** | **PLR** | **NLR** | **DOR** |
| **TP:FN** | **FP:TN** |
| Chen 2021 | 34:3 | 21:19 | 0.92 (0.78-0.98) | 0.47 (0.32-0.64) | 1.75 (1.28-2.39) | 0.17 (0.06-0.53) | 10.25 (2.70-38.91) |
| Du 2020 | 53:15 | 21:30 | 0.78 (0.66-0.87) | 0.59 (0.44-0.72) | 1.89 (1.33-2.69) | 0.38 (0.23-0.62) | 5.05 (2.27-11.23) |
| Han 2022 | 56:9 | 8:15 | 0.86 (0.75-0.93) | 0.65 (0.43-0.84) | 2.48 (1.40-4.37) | 0.21 (0.11-0.42) | 11.67 (3.85-35.39) |
| Ho 2018 | 132:74 | 16:123 | 0.64 (0.57-0.71) | 0.88 (0.82-0.93) | 5.57 (3.47-8.93) | 0.41 (0.34-0.49) | 13.71 (7.57-24.83) |
| Hu 2012 | 59:20 | 24:87 | 0.75 (0.64-0.84) | 0.78 (0.70-0.86) | 3.45 (2.37-5.03) | 0.32 (0.22-0.48) | 10.69 (5.42-21.09) |
| Li 2024 | 21:16 | 5:39 | 0.57 (0.39-0.73) | 0.89 (0.75-0.96) | 4.99 (2.09-11.94) | 0.49 (0.33-0.72) | 10.24 (3.29-31.87) |
| Li 2019 | 31:4 | 8:46 | 0.89 (0.73-0.97) | 0.85 (0.73-0.93) | 5.98 (3.12-11.46) | 0.13 (0.05-0.34) | 44.56 (12.34-160.88) |
| Ma 2023 | 73:90 | 42:203 | 0.45 (0.37-0.53) | 0.83 (0.78-0.87) | 2.61 (1.89-3.61) | 0.67 (0.57-0.77) | 3.92 (2.49-6.17) |
| Tang 2023 | 41:14 | 23:61 | 0.75 (0.61-0.85) | 0.73 (0.62-0.82) | 2.72 (1.86-3.98) | 0.35 (0.22-0.56) | 7.77 (3.58-16.83) |
| Liu 2019 | 29:2 | 5:12 | 0.94 (0.79-0.99) | 0.71 (0.44-0.90) | 3.18 (1.51-6.68) | 0.09 (0.02-0.36) | 34.80 (5.91-204.81) |
| Lv 2020 | 16:8 | 15:31 | 0.67 (0.45-0.84) | 0.67 (0.52-0.80) | 2.04 (1.24-3.38) | 0.49 (0.27-0.90) | 4.13 (1.45-11.80) |
| Xu 2020 | 36:8 | 14:36 | 0.82 (0.67-0.92) | 0.72 (0.58-0.84) | 2.92 (1.83-4.66) | 0.25 (0.13-0.48) | 11.57 (4.33-30.95) |
| Zhang 2020-1 | 46:23 | 34:46 | 0.67 (0.54-0.78) | 0.57 (0.46-0.68) | 1.57 (1.16-2.13) | 0.58 (0.40-0.85) | 2.71 (1.39-5.28) |
| Zhang 2020-2 | 33:15 | 11:32 | 0.69 (0.54-0.81) | 0.74 (0.59-0.86) | 2.69 (1.56-4.63) | 0.42 (0.27-0.66) | 6.40 (2.56-16.02) |
| Zuo 2014 | 65:8 | 5:27 | 0.89 (0.80-0.95) | 0.84 (0.67-0.95) | 5.70 (2.54-12.80) | 0.13 (0.07-0.25) | 43.88 (13.16-146.27) |
| **Overall** | 725:309 | 252:807 | 0.77 (0.69-0.83) | 0.74 (0.68-0.80) | 2.97 (2.38-3.72) | 0.31 (0.24-0.42) | 9.47 (6.31-14.22) |

TP indicates true positive; FN, false negative; FP, false positive; TN, true negative; PLR, positive likelihood ratios; NLR, negative likelihood ratios; DOR, diagnostic odds ratio

**Table 3. Results of the studies retrieved from 2󠅂×2 Tables (blood eosinophil count)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Author (year)** | **Results (n)** | **Sensitivity** | **Specificity** | **PLR** | **NLR** | **DOR** |
| **TP:FN** | **FP:TN** |
| Chen 2021 | 30:7 | 17:23 | 0.81 (0.65-0.92) | 0.57 (0.41-0.73) | 1.91 (1.29-2.83) | 0.33 (0.16-0.67) | 5.80 (2.06-16.31) |
| Du 2020 | 51:17 | 17:34 | 0.75 (0.63-0.85) | 0.67 (0.52-0.79) | 2.25 (1.49-3.40) | 0.38 (0.24-0.59) | 6.00 (2.70-13.36) |
| Han 2022 | 58:7 | 10:13 | 0.89 (0.79-0.96) | 0.57 (0.34-0.77) | 2.05 (1.28-3.30) | 0.19 (0.09-0.42) | 10.77 (3.45-33.61) |
| Ho 2018 | 146:60 | 30:109 | 0.71 (0.64-0.77) | 0.78 (0.71-0.85) | 3.28 (2.36-4.56) | 0.37 (0.30-0.47) | 8.84 (5.34-14.63) |
| Hu 2012 | 58:21 | 17:94 | 0.73 (0.62-0.83) | 0.85 (0.77-0.91) | 4.79 (3.03-7.57) | 0.31 (0.22-0.46) | 15.27 (7.45-31.32) |
| Li 2019 | 32:3 | 11:43 | 0.91 (0.77-0.98) | 0.80 (0.66-0.89) | 4.49 (2.62-7.68) | 0.11 (0.04-0.32) | 41.70 (10.74-161.83) |
| Li 2024-2 | 350:52 | 206:744 | 0.87 (0.83-0.90) | 0.78 (0.76-0.81) | 4.02 (3.54-4.56) | 0.17 (0.13-0.21) | 24.31 (17.48-33.80) |
| Lv 2020 | 17:7 | 15:31 | 0.71 (0.49-0.87) | 0.67 (0.52-0.80) | 2.17 (1.33-3.54) | 0.43 (0.22-0.83) | 5.02 (1.71-14.70) |
| Sivrice 2020 | 136:61 | 37:65 | 0.69 (0.62-0.75) | 0.64 (0.54-0.73) | 1.90 (1.45-2.50) | 0.49 (0.38-0.63) | 3.92 (2.37-6.48) |
| Wu 2024 | 42:13 | 23:38 | 0.76 (0.63-0.87) | 0.62 (0.49-0.74) | 2.03 (1.42-2.89) | 0.38 (0.23-0.63) | 5.34 ()2.38-11.99 |
| Zhang 2022-2 | 29:19 | 10:33 | 0.60 (0.45-0.74) | 0.77 (0.61-0.88) | 2.60 (1.44-4.68) | 0.52 (0.35-0.76) | 5.04 (2.02-12.56) |
| Zhong 2021 | 28:2 | 3:32 | 0.93 (0.78-0.99) | 0.91 (0.77-0.98) | 10.89 (3.67-32.26) | 0.07 (0.02-0.28) | 149.33 (23.25-958.98) |
| Zhou 2021 | 26:16 | 23:62 | 0.62 (0.46-0.76) | 0.73 (0.62-0.82) | 2.29 (1.50-3.49) | 0.52 (0.35-0.78) | 4.38 (2.00-9.61) |
| Zhou 2023 | 14:7 | 2:14 | 0.76 (0.69-0.82) | 0.72 (0.66-0.77) | 2.71 (2.19-3.35) | 0.34 (0.25-0.44) | 8.08 (5.19-12.55) |
| Zhu 2020 | 34:9 | 16:23 | 0.79 (0.64-0.90) | 0.59 (0.42-0.74) | 1.93 (1.28-2.89) | 0.35 (0.19-0.67) | 5.43 (2.05-14.37) |
| Zhu 2023 | 132:42 | 72:185 | 0.76 (0.69-0.82) | 0.72 (0.66-0.77) | 2.71 (2.19-3.35) | 0.34 (0.25-0.44) | 8.08 (5.19-12.55) |
| Zuo 2014 | 62:11 | 4:28 | 0.85 (0.75-0.92) | 0.88 (0.71-0.96) | 6.79 (2.70-17.08) | 0.17 (0.10-0.30) | 39.45 (11.55-134.75) |
| **Overall** | 1363:389 | 583:1742 | 0.78 (0.73-0.82) | 0.73 (0.69-0.77) | 2.93 (2.45-3.50) | 0.30 (0.24-0.37) | 9.74 (6.73-14.08) |

TP indicates true positive; FN, false negative; FP, false positive; TN, true negative; PLR, positive likelihood ratios; NLR, negative likelihood ratios; DOR, diagnostic odds ratio