

Supplementary Figure legends

Supplementary Figure 1A. Forest plot of 5-year DFS following NOSE compared with CL.

Supplementary Figure 1B. Forest plot of lymph node harvest following NOSE compared with CL.

Supplementary Figure 1C. Forest plot of proximal margin following NOSE compared with CL.

Supplementary Figure 1D. Forest plot of distal margin following NOSE compared with CL.

Supplementary Figure 2A. Forest plot of surgical site infection following NOSE compared with CL.

Supplementary Figure 2B. Forest plot of anastomotic leakage following NOSE compared with CL.

Supplementary Figure 2C. Forest plot of blood loss following NOSE compared with CL.

Supplementary Figure 2D. Forest plot of intra-abdominal abscess following NOSE compared with CL.

Supplementary Figure 2E. Forest plot of total perioperative complications following NOSE compared with CL.

Supplementary Figure 3A. Forest plot of operation time following NOSE compared with CL.

Supplementary Figure 3B. Forest plot of hospital stay following NOSE compared with CL.

Supplementary Figure 3C. Forest plot of pain score following NOSE compared with CL.

Supplementary Figure 3D. Forest plot of time to first flatus following NOSE compared with CL.

Supplementary Figure 4A. Forest plot of lymph node harvest based on malignant diseases.

Supplementary Figure 4B. Forest plot of proximal margin based on malignant diseases.

Supplementary Figure 4C. Forest plot of distal margin based on malignant diseases.

Supplementary Figure 4D. Forest plot of surgical site infection based on malignant diseases.

Supplementary Figure 4E. Forest plot of anastomotic leakage based on malignant diseases.

Supplementary Figure 4F. Forest plot of blood loss based on malignant diseases.

Supplementary Figure 4G. Forest plot of total perioperative complications based on malignant diseases.

Supplementary Figure 4H. Forest plot of operation time based on malignant diseases.

Supplementary Figure 4I. Forest plot of hospital stay based on malignant diseases.

Supplementary Figure 5A. Forest plot of lymph node harvest based on sample number > 30.

Supplementary Figure 5B. Forest plot of lymph node harvest based on BMI ≤ 30 (kg/m²).

Supplementary Figure 5C. Forest plot of lymph node harvest based on non-RCTs (NOS ≥ 6).

Supplementary Figure 5D. Forest plot of lymph node harvest based on prospective trials.

Supplementary Figure 6A. Forest plot of total perioperative complications based on sample number > 30.

Supplementary Figure 6B. Forest plot of total perioperative complications based on BMI ≤ 30 (kg/m²).

Supplementary Figure 6C. Forest plot of total perioperative complications based on non-RCTs (NOS ≥ 6).

Supplementary Figure 6D. Forest plot of total perioperative complications based on prospective trials.

Supplementary Figure 7A. Forest plot of anastomotic leakage based on sample number > 30.

Supplementary Figure 7B. Forest plot of anastomotic leakage based on BMI ≤ 30 (kg/m²).

Supplementary Figure 7C. Forest plot of anastomotic leakage based on non-RCTs (NOS ≥ 6).

Supplementary Figure 7D. Forest plot of anastomotic leakage based on prospective trials.

Supplementary Figure 8A. Forest plot of surgical site infection based on sample number > 30.

Supplementary Figure 8B. Forest plot of surgical site infection based on BMI ≤ 30 (kg/m²).

Supplementary Figure 8C. Forest plot of surgical site infection based on non-RCT (NOS ≥ 6).

Supplementary Figure 8D. Forest plot of surgical site infection based on prospective trials.

Supplementary Figure 9A. Forest plot of operation time based on sample number > 30.

Supplementary Figure 9B. Forest plot of operation time based on BMI ≤ 30 (kg/m²).

Supplementary Figure 9C. Forest plot of operation time based on non-RCTs (NOS ≥ 6).

Supplementary Figure 9D. Forest plot of operation time based on prospective trials.

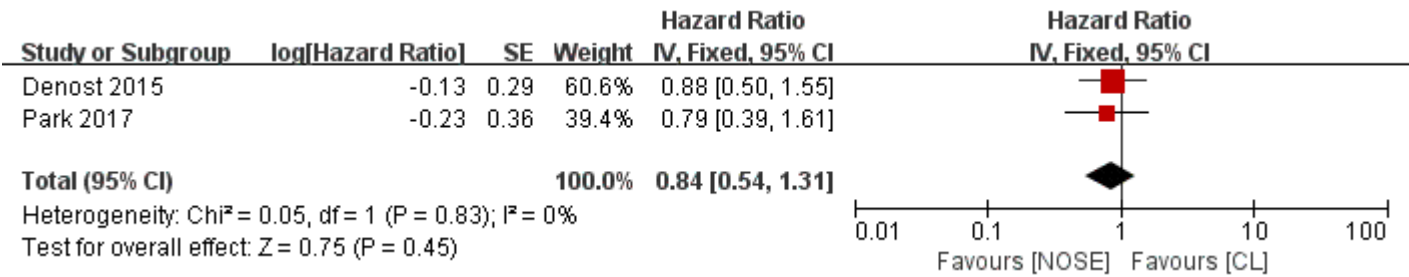
Supplementary Figure 10A. Forest plot of hospital stay based on sample number > 30.

Supplementary Figure 10B. Forest plot of hospital stay based on BMI ≤ 30 (kg/m²).

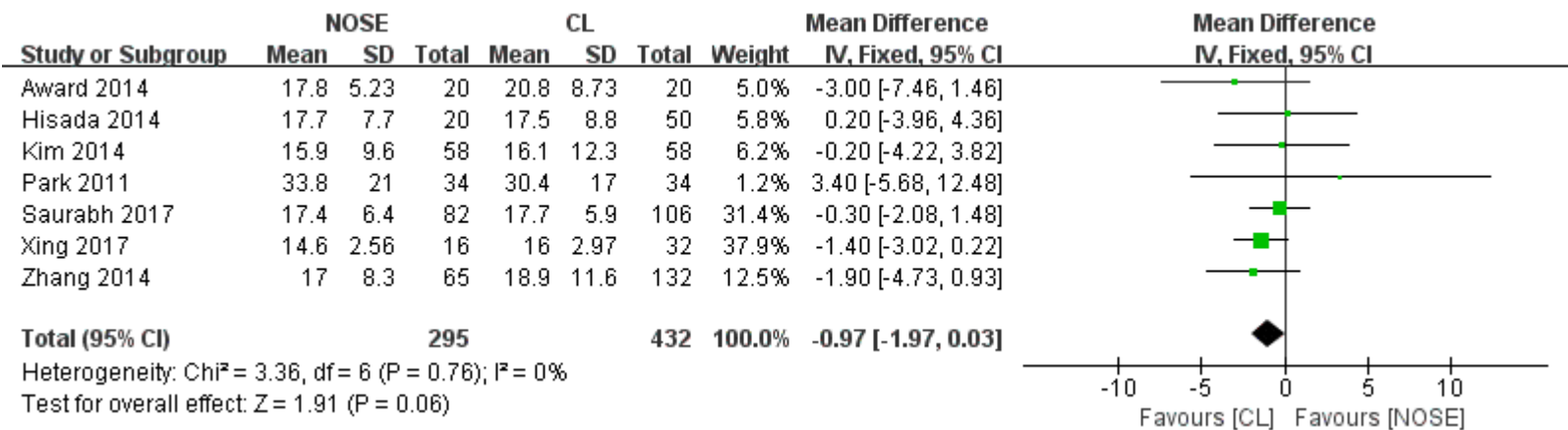
Supplementary Figure 10C. Forest plot of hospital stay based on non-RCTs (NOS ≥ 6).

Supplementary Figure 10D. Forest plot of hospital stay based on prospective trials.

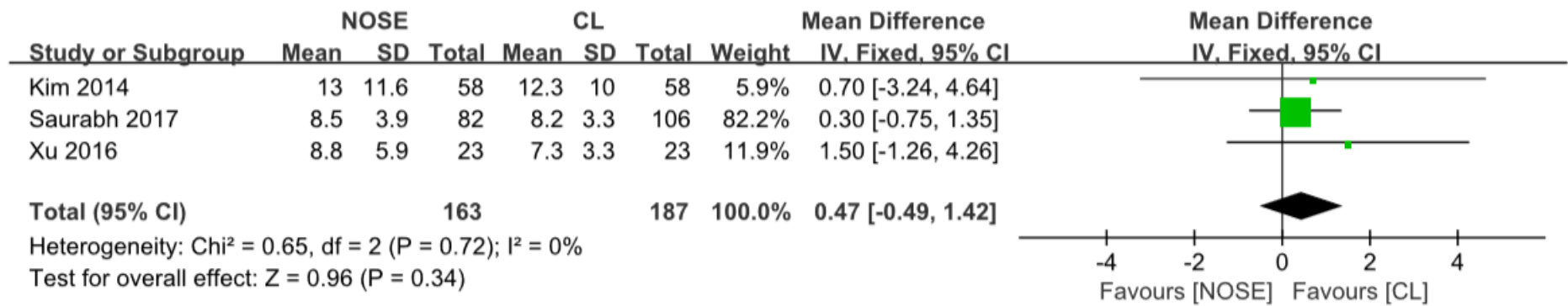
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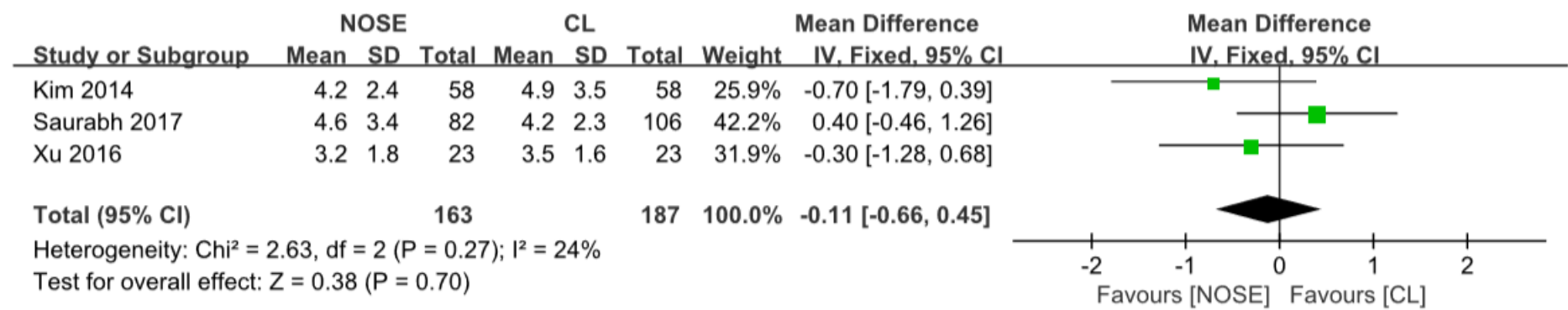
Supplementary Figure 1B



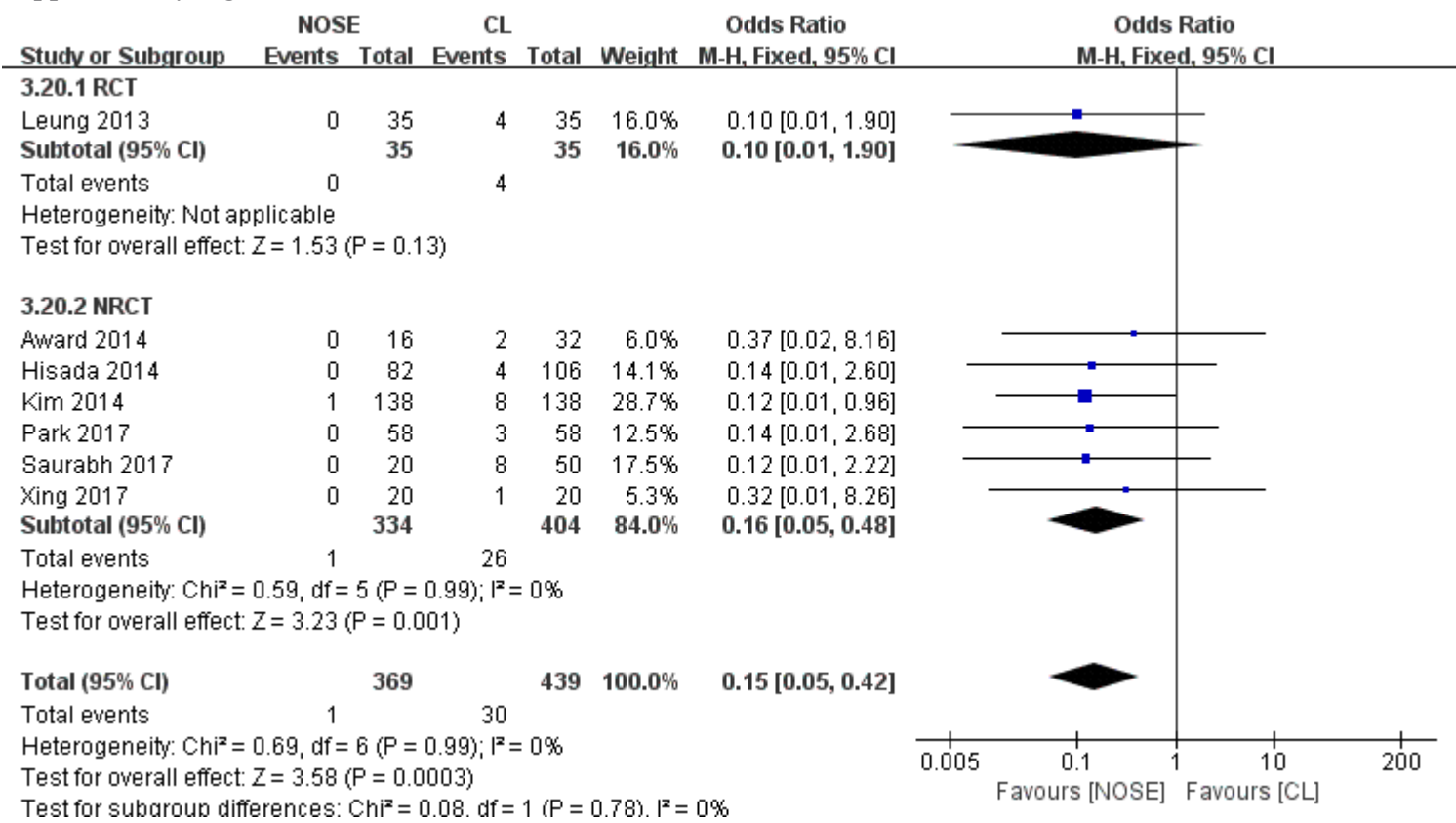
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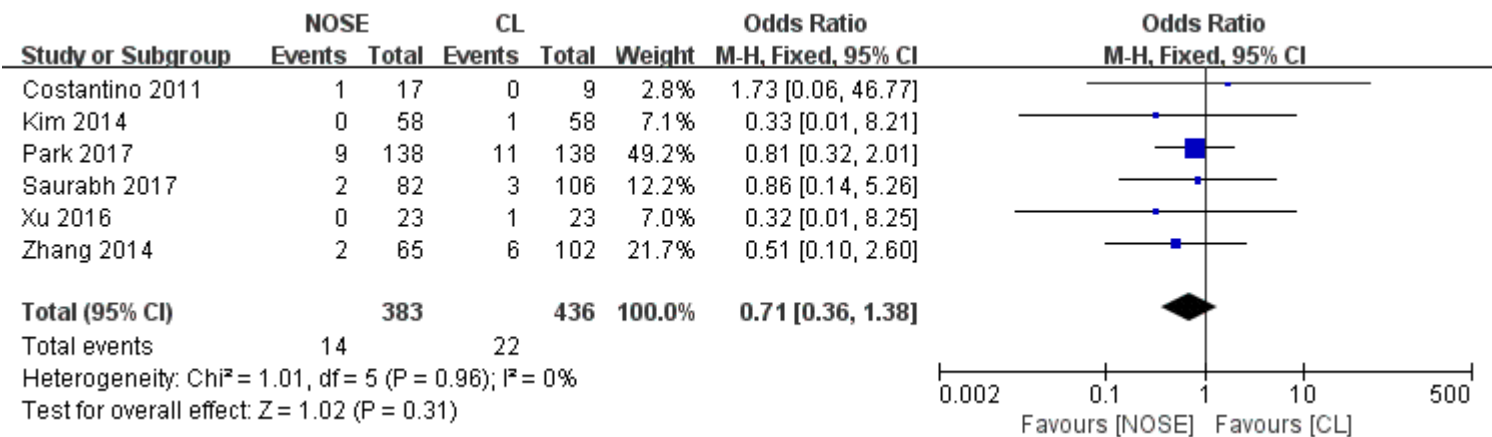
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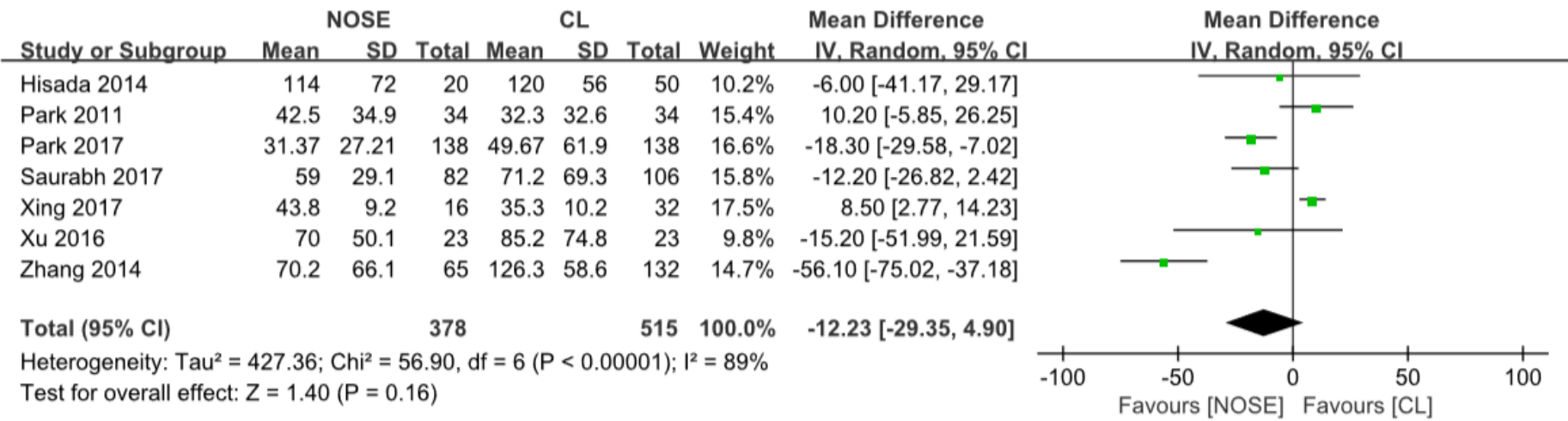
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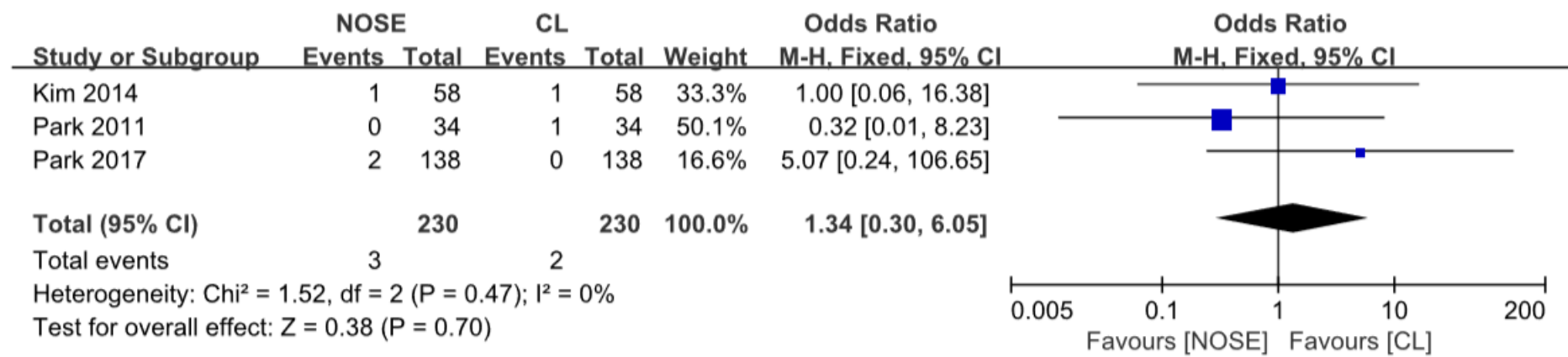
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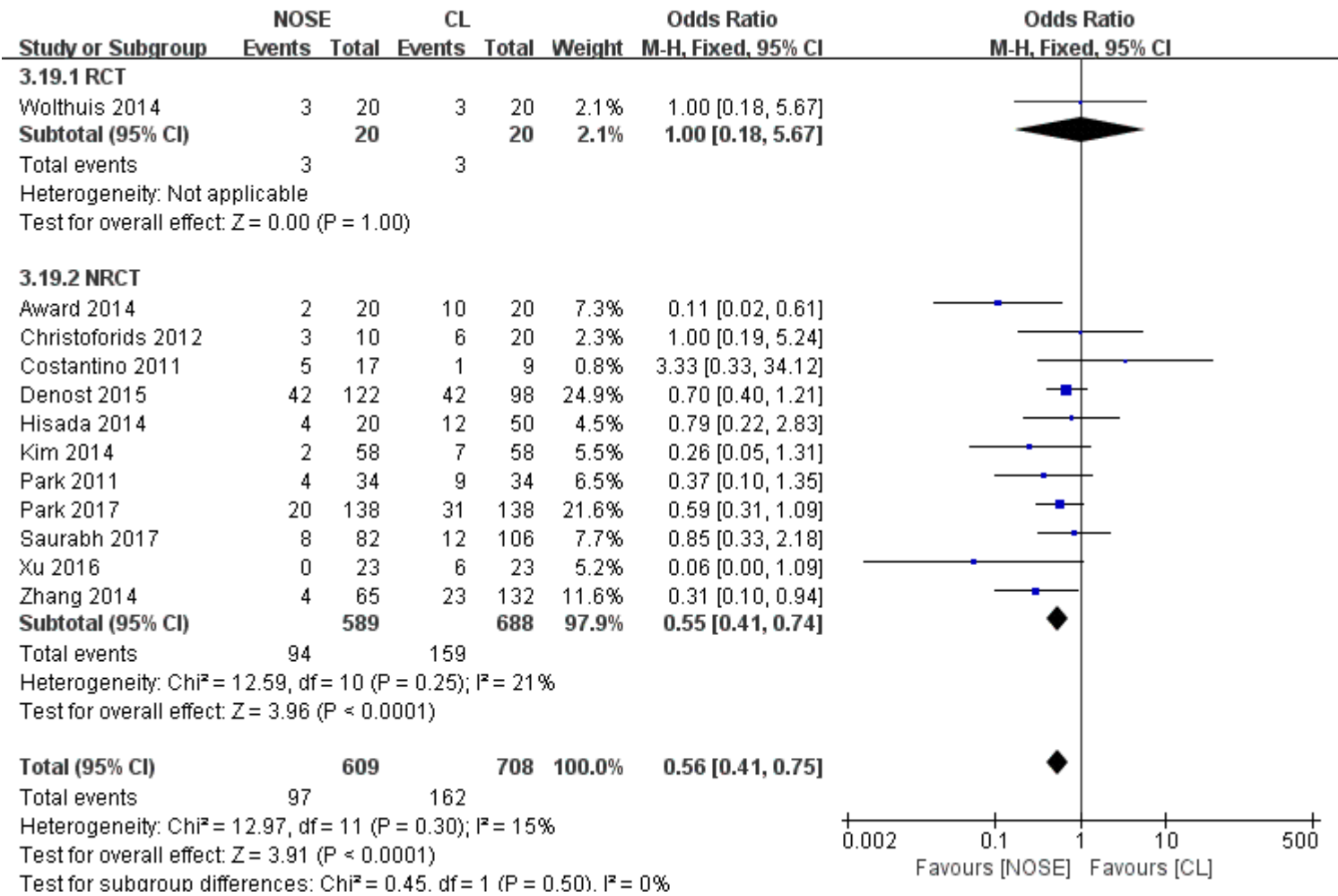
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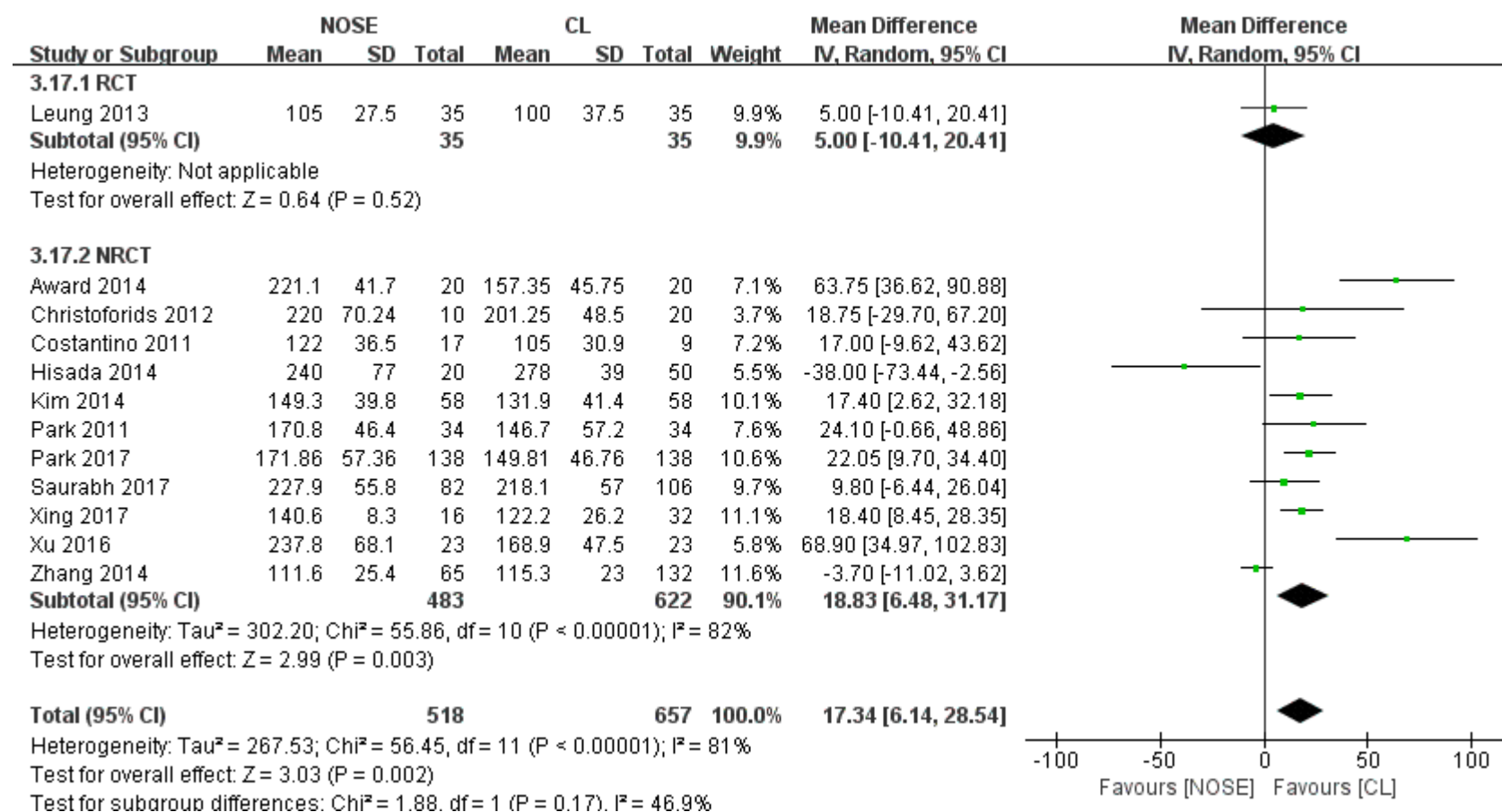
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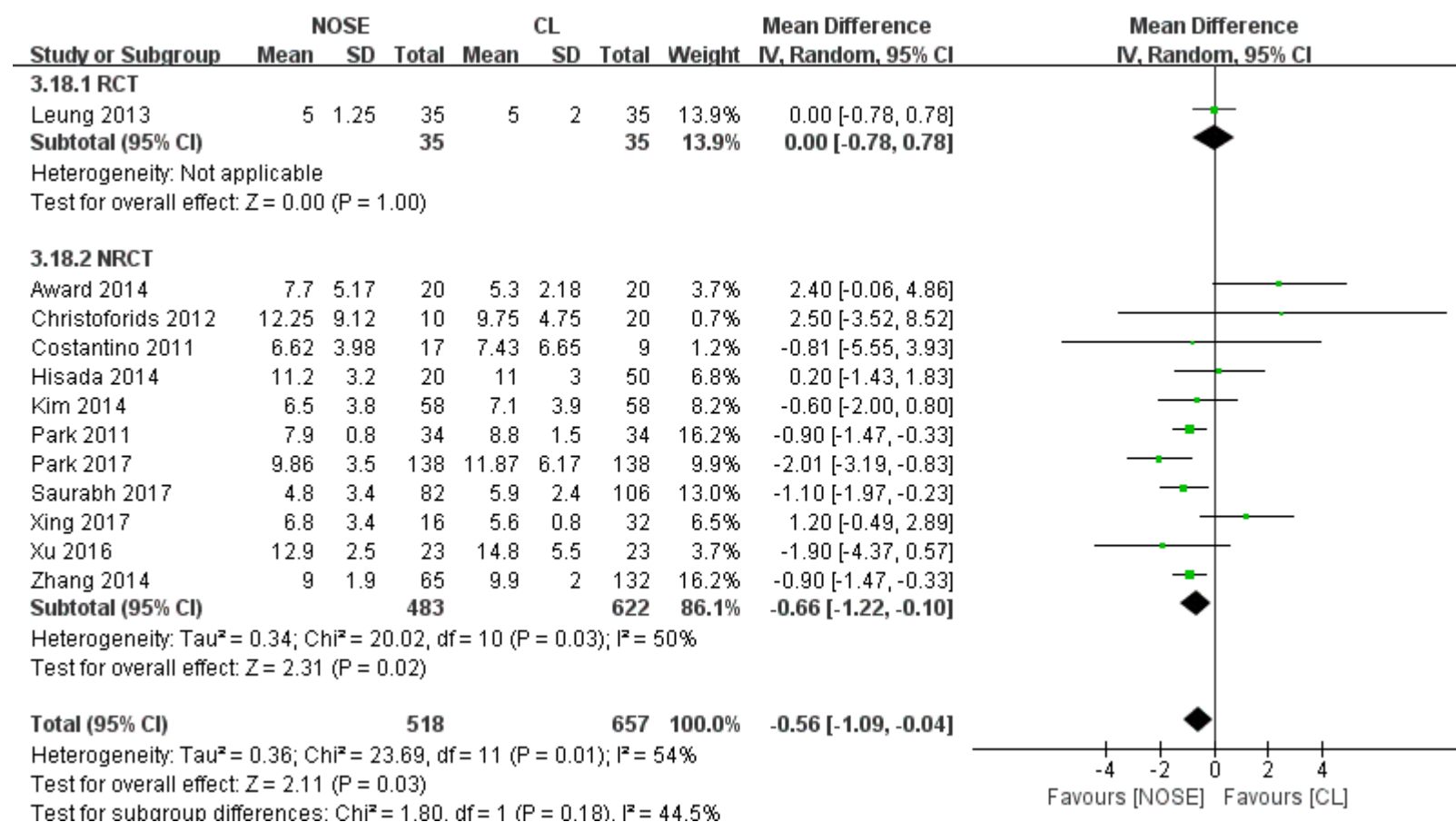
Supplementary Figure 2E



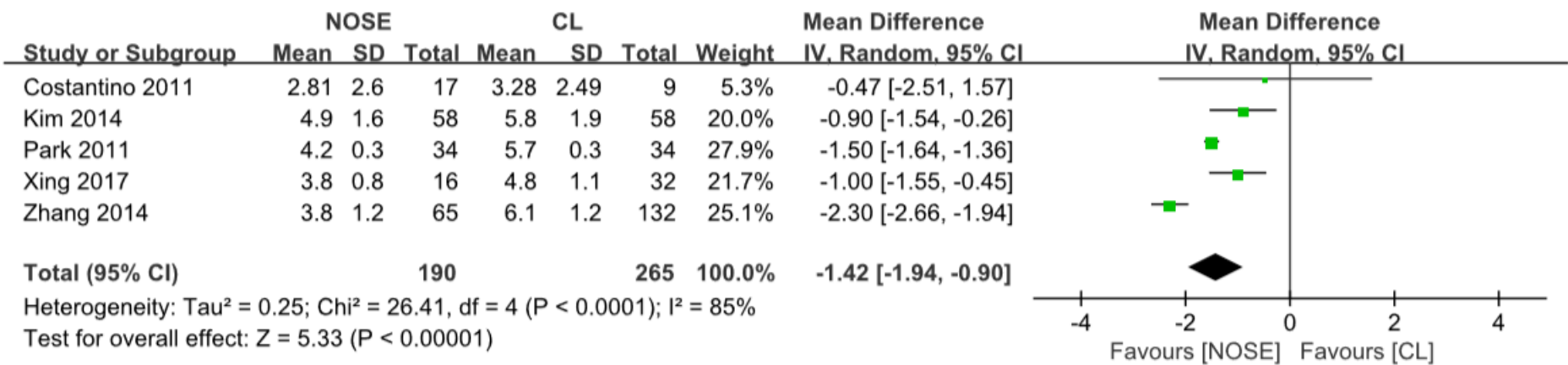
Supplementary Figure 3A



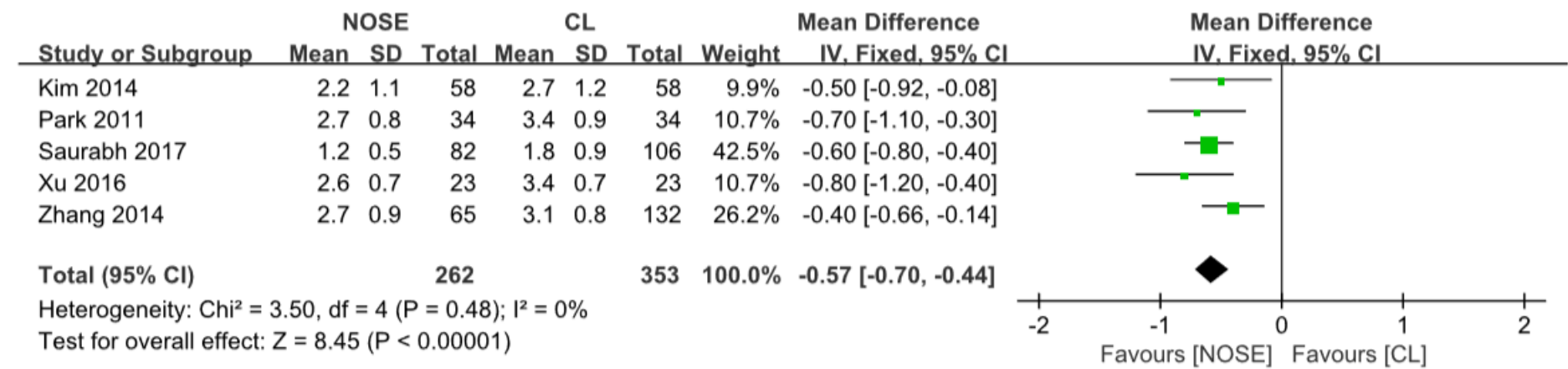
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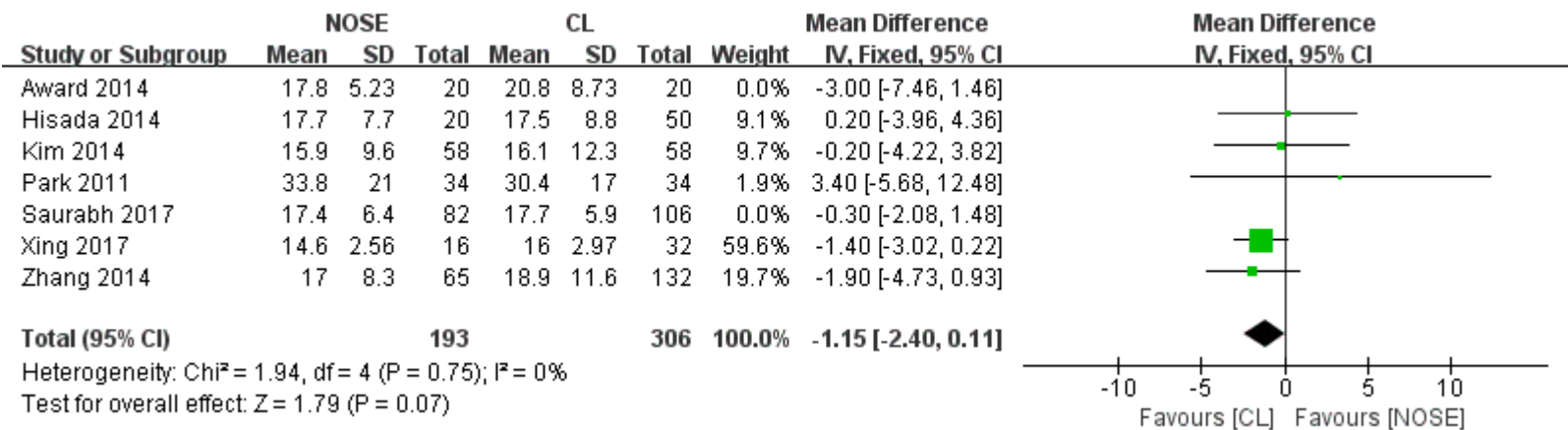
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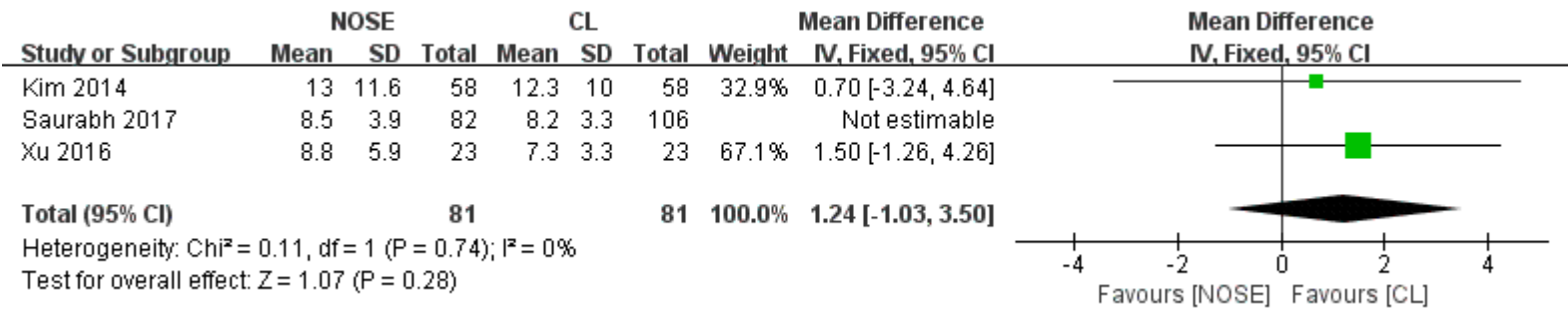
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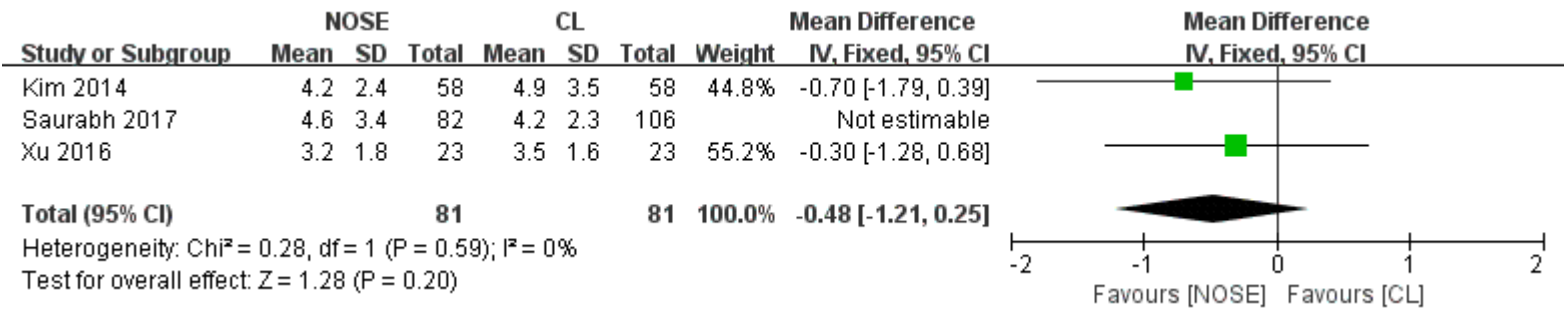
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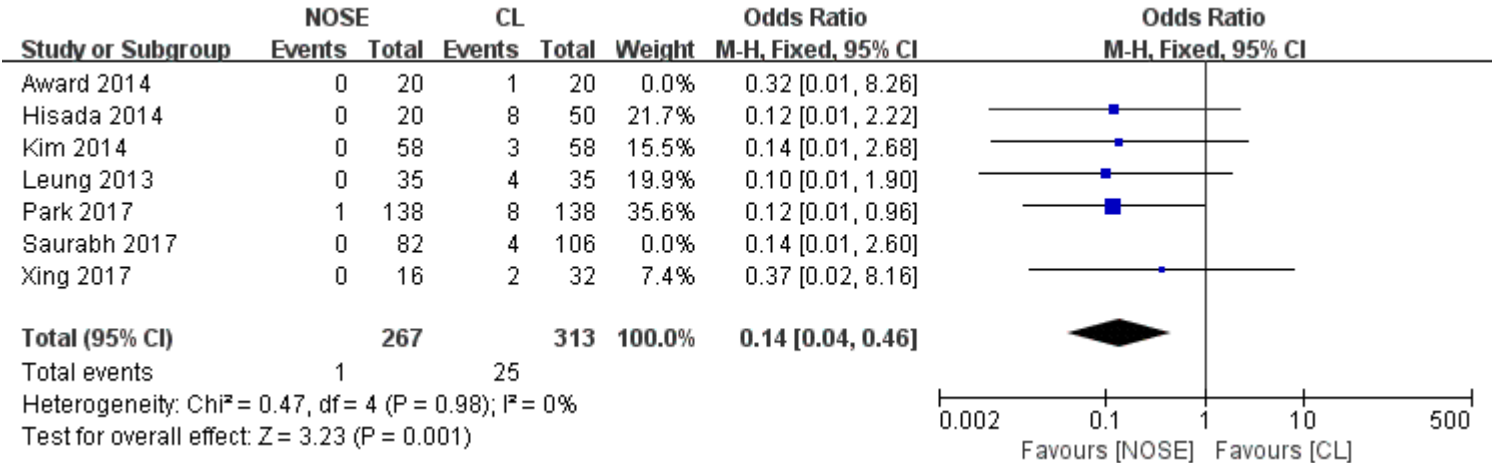
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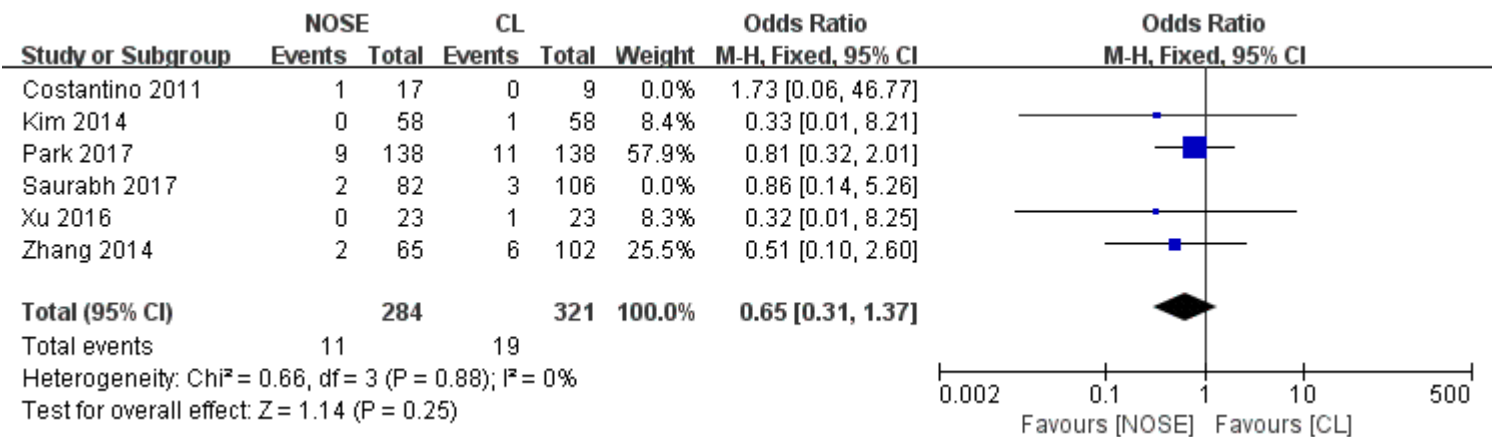
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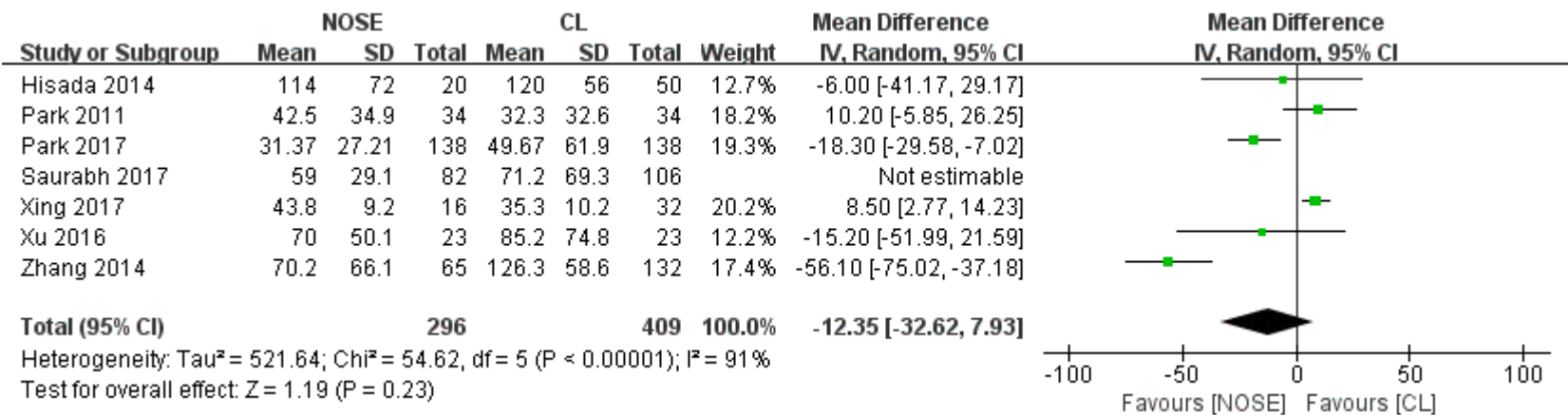
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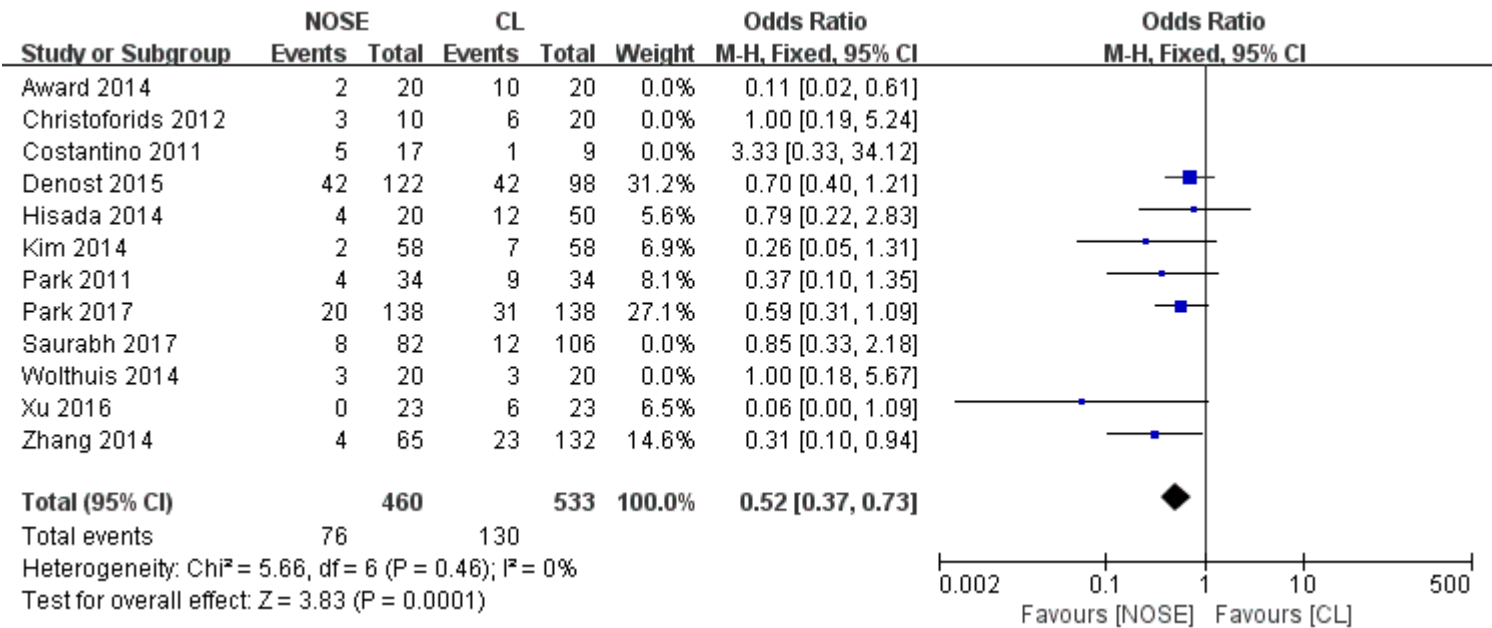
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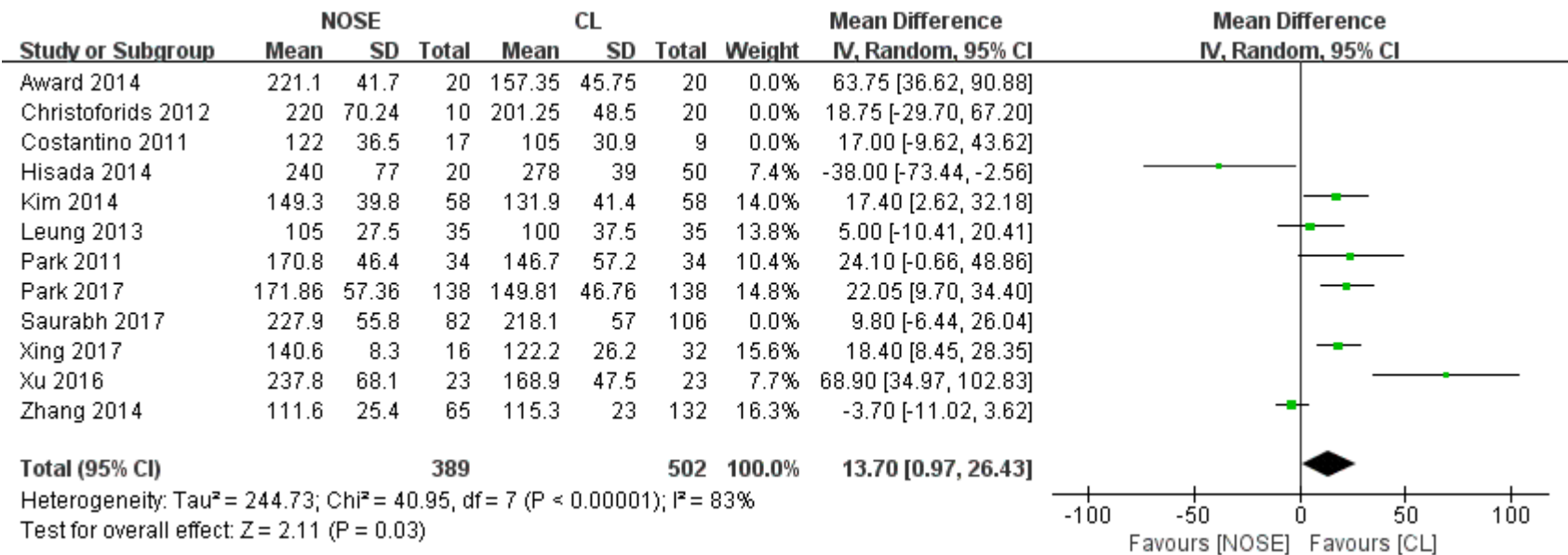
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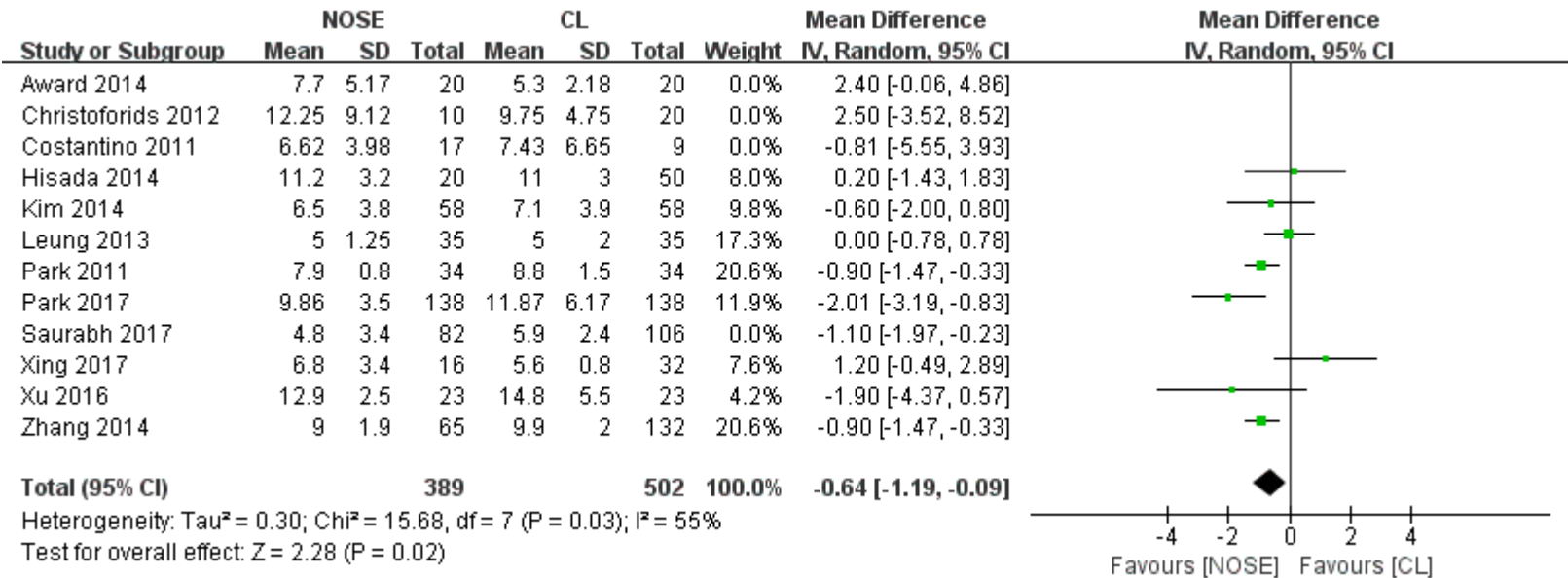
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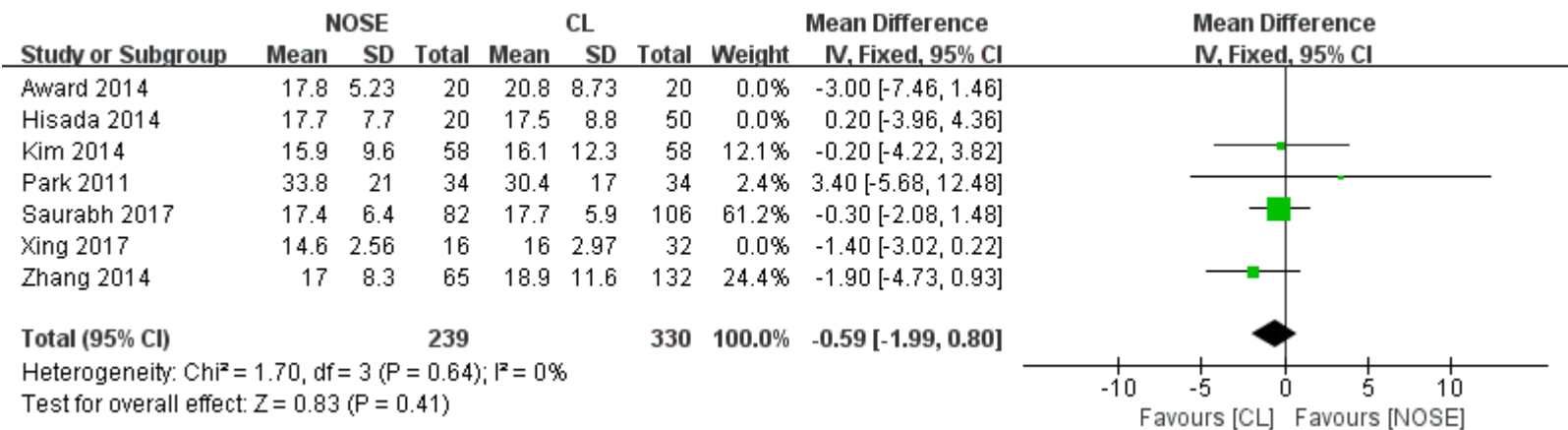
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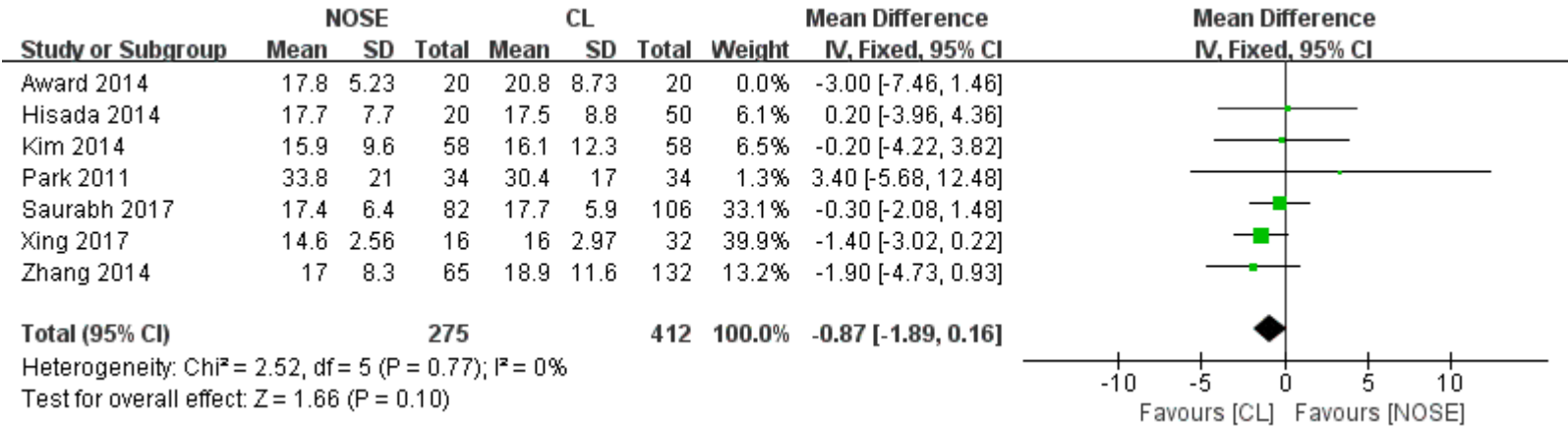
Supplementary Figure 4I



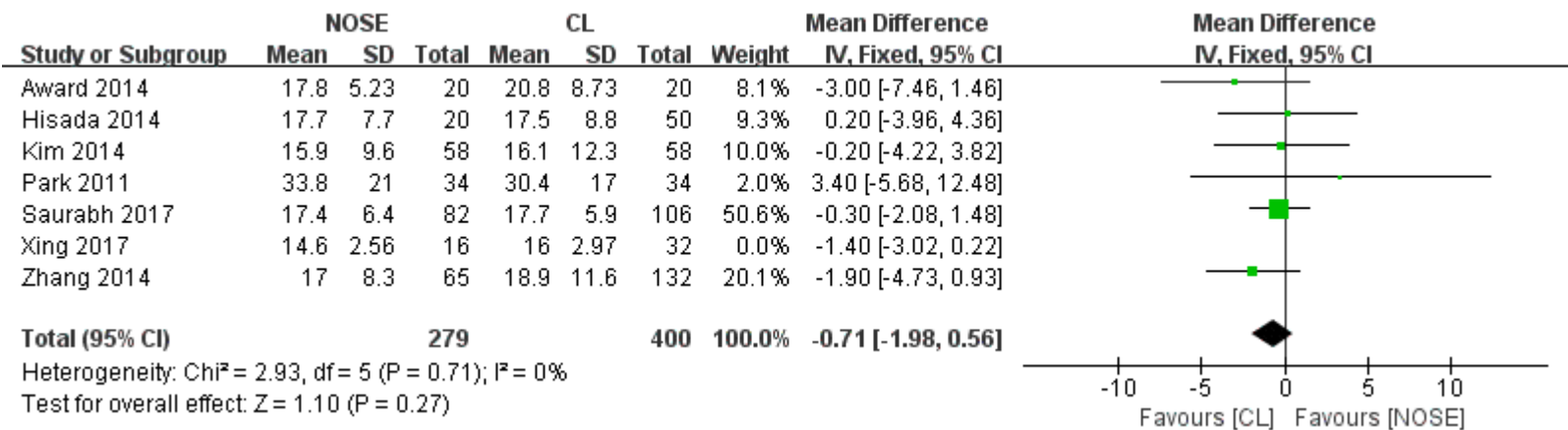
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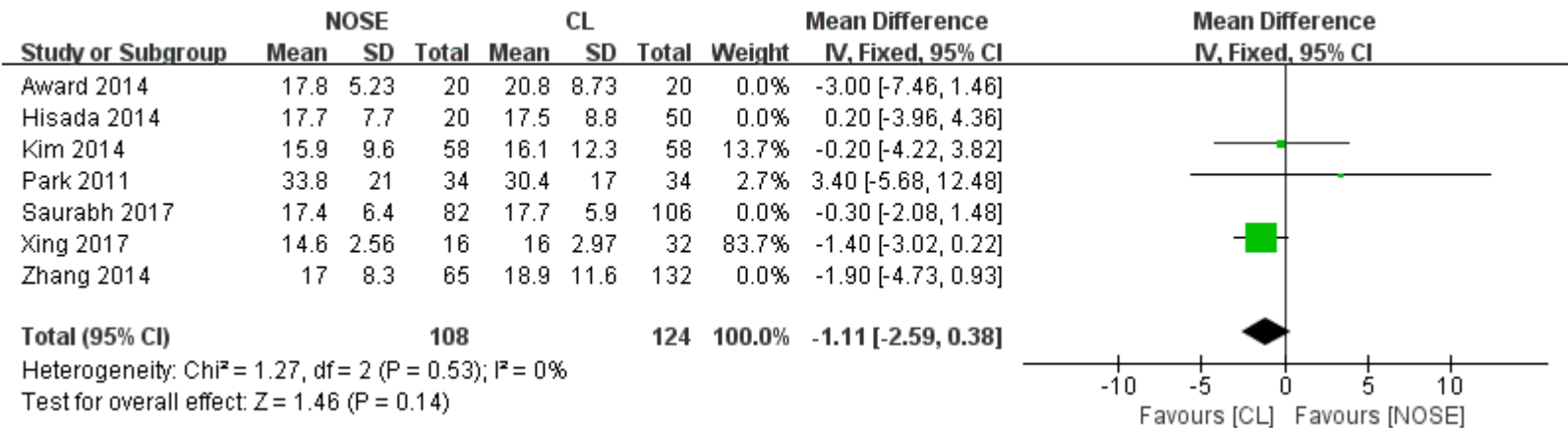
Supplementary Figure 5B



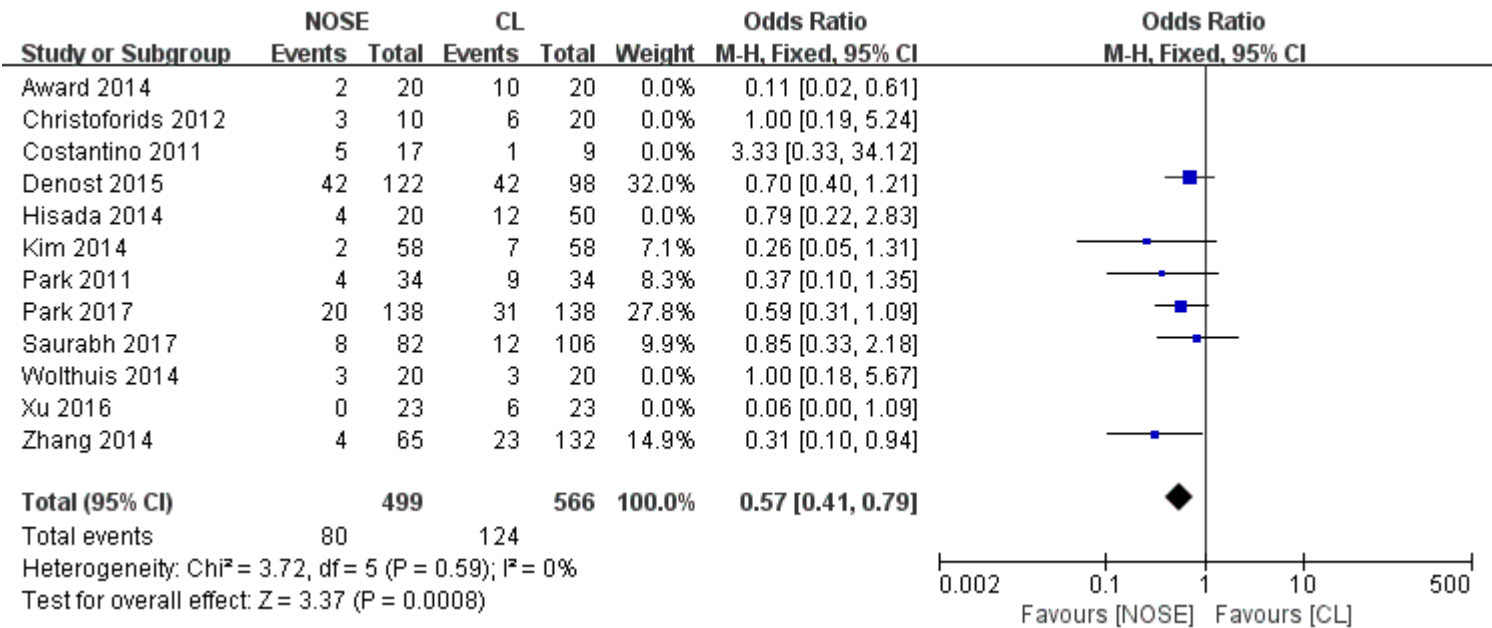
Supplementary Figure 5C



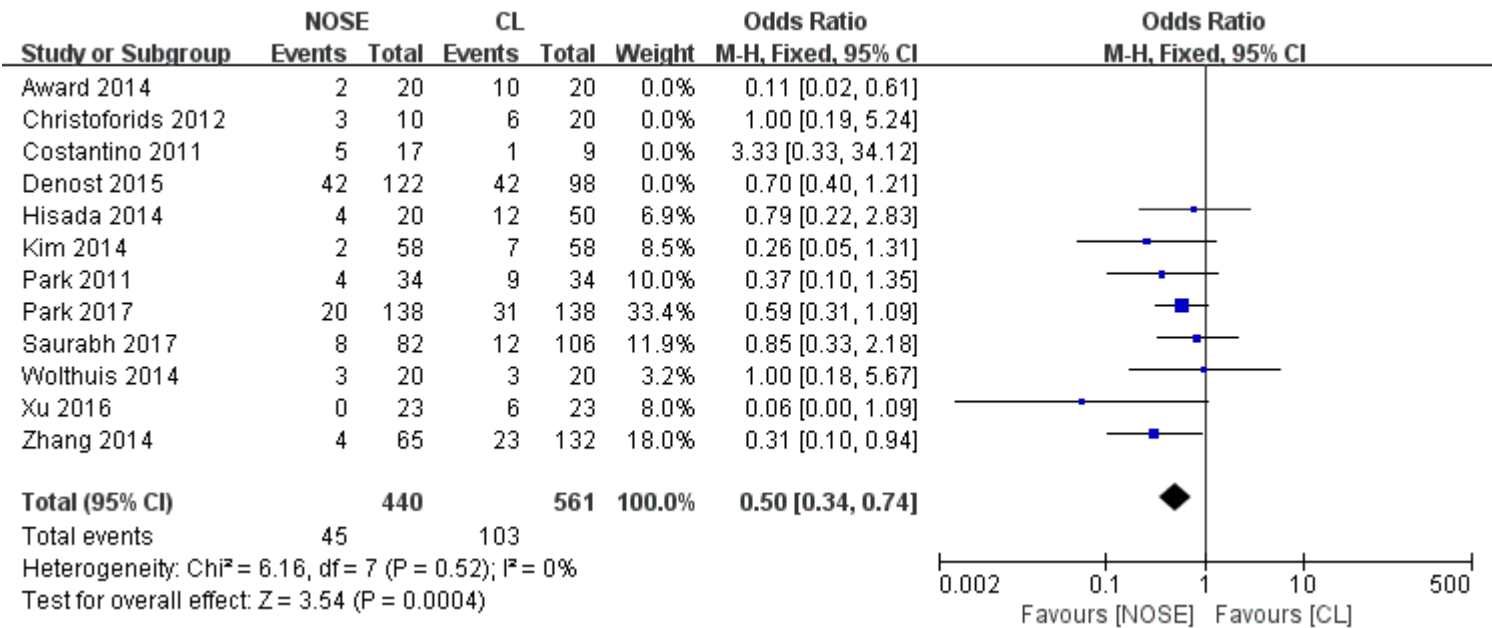
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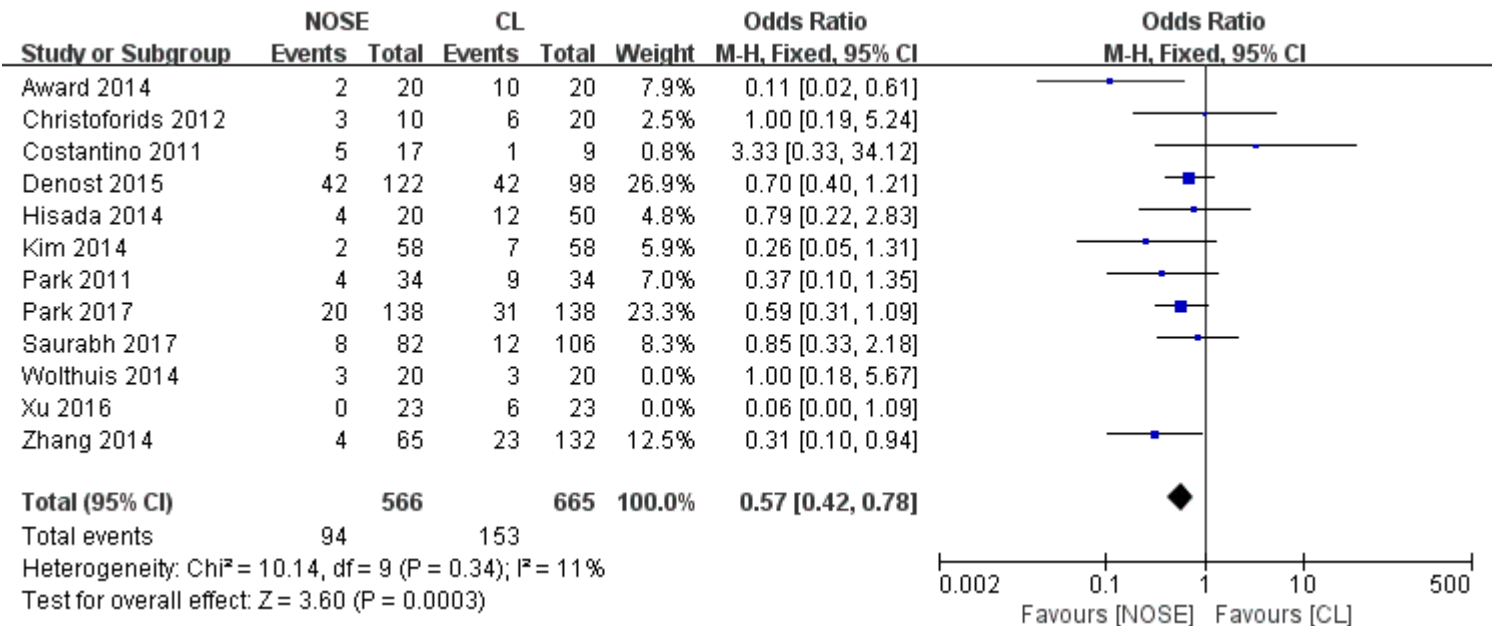
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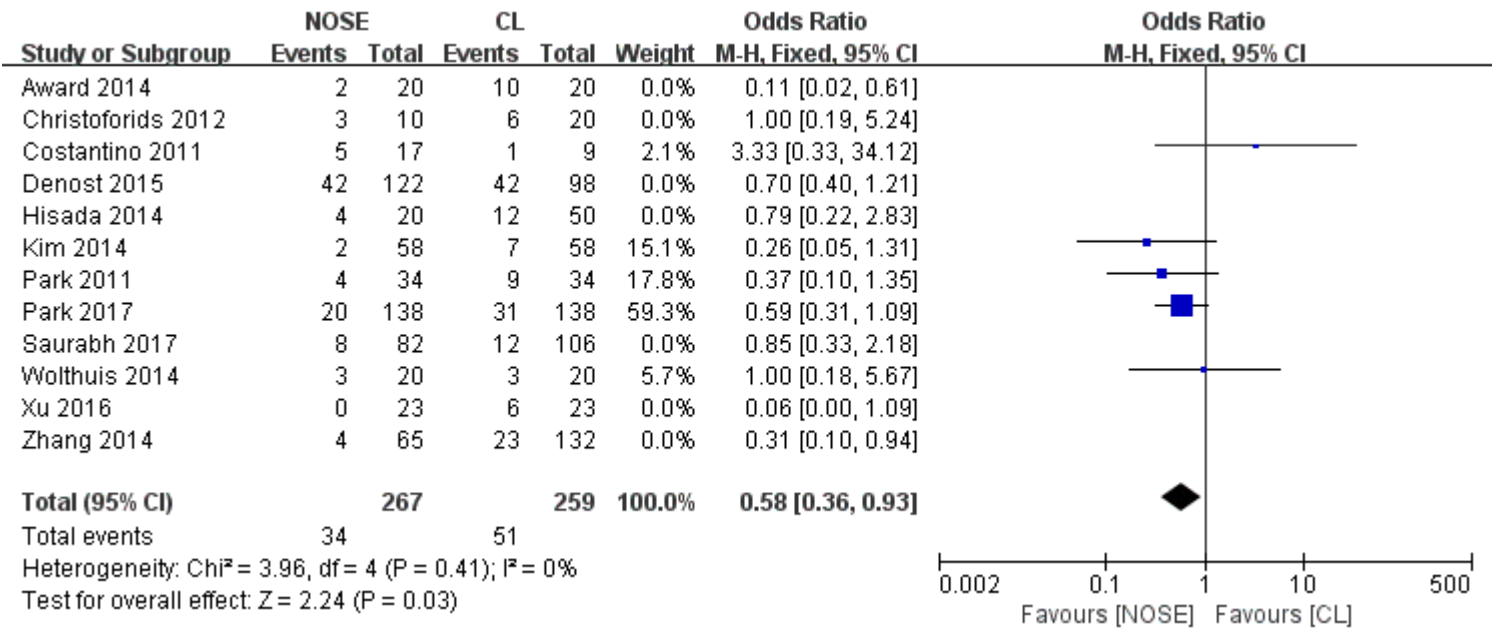
Supplementary Figure 6B



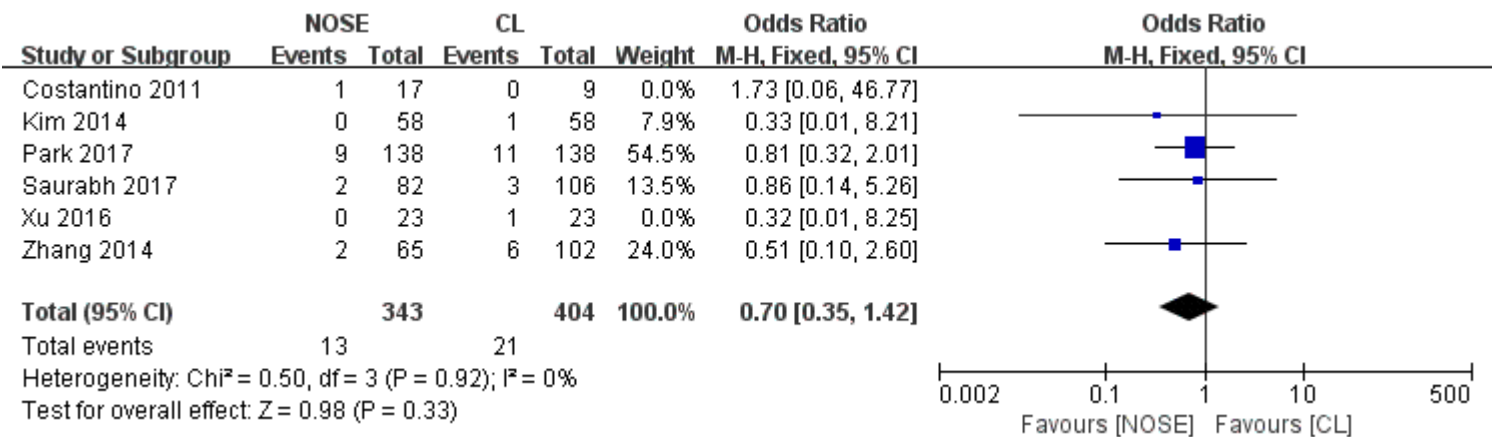
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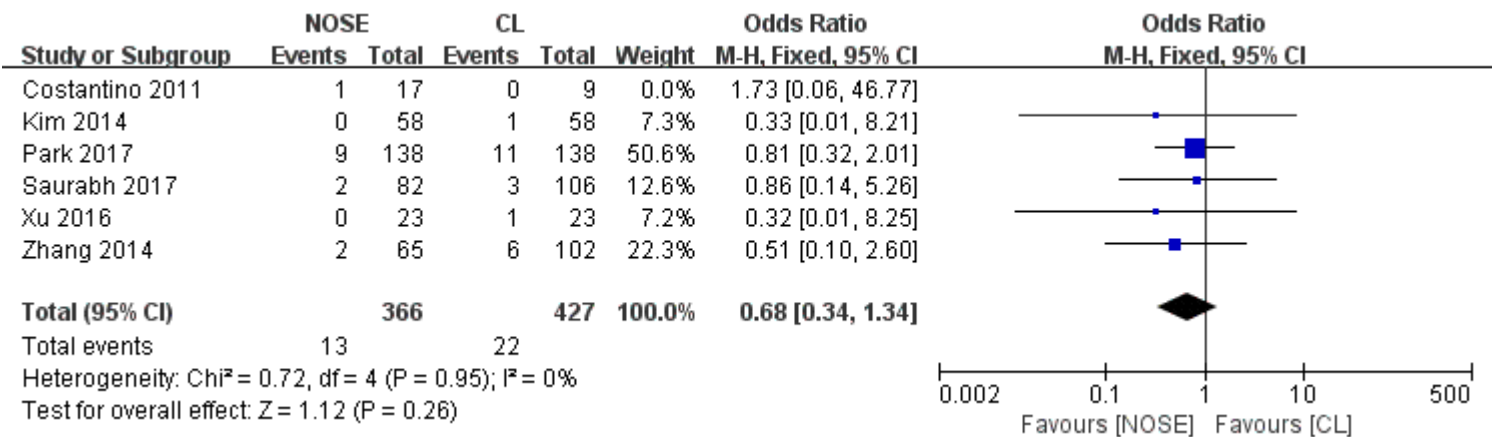
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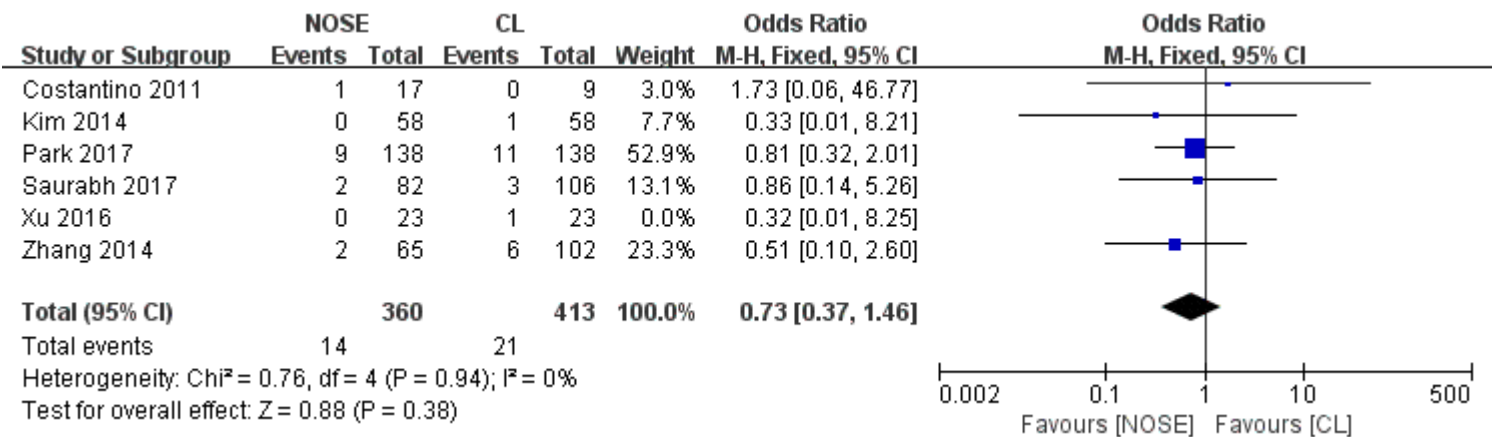
Supplementary Figure 7A



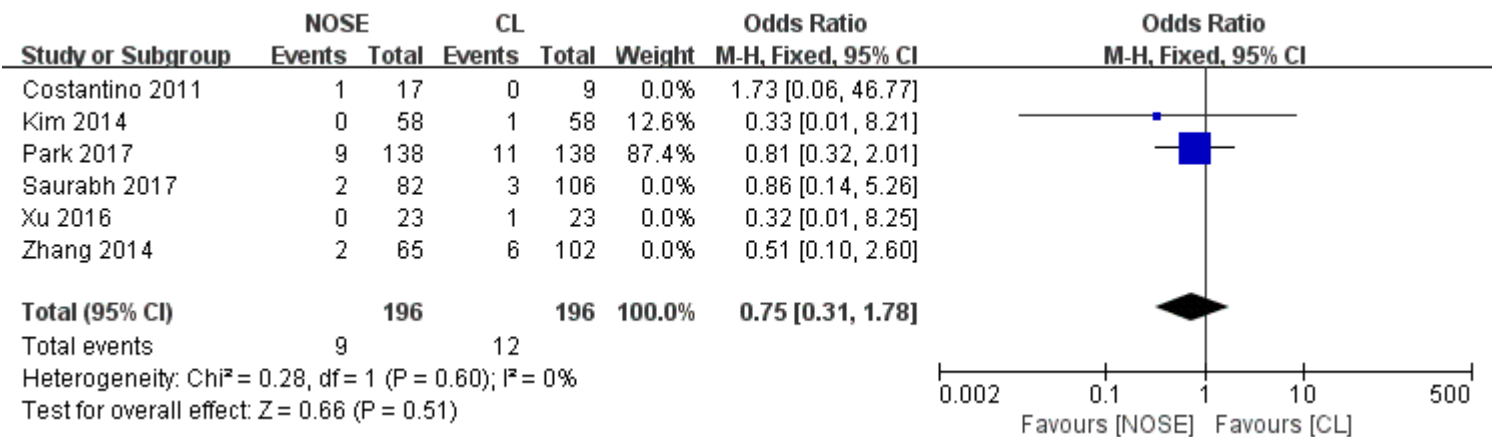
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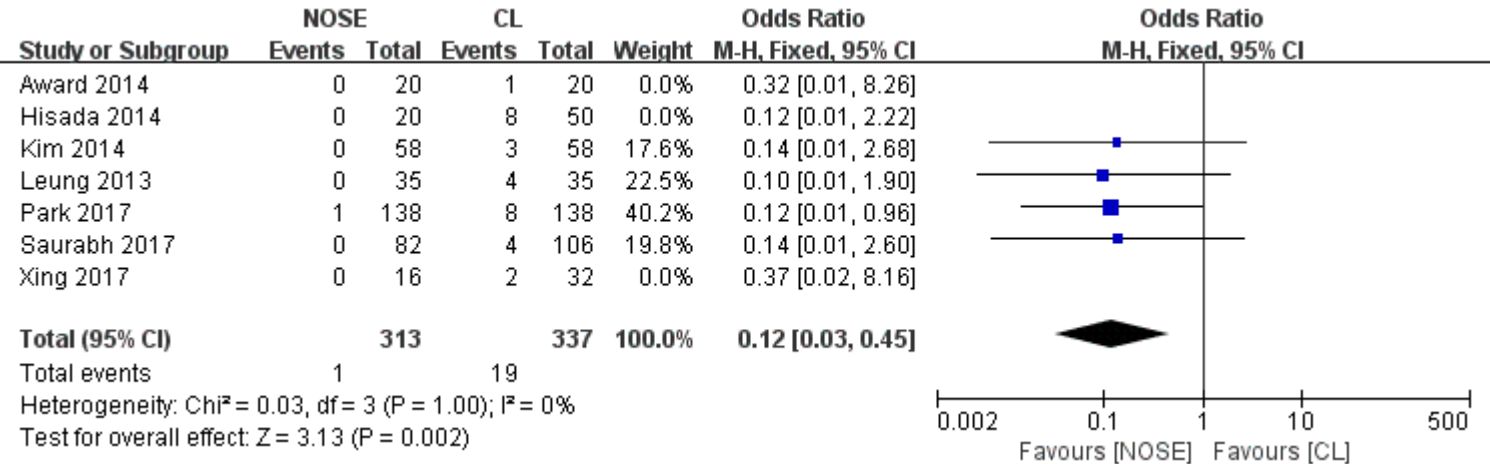
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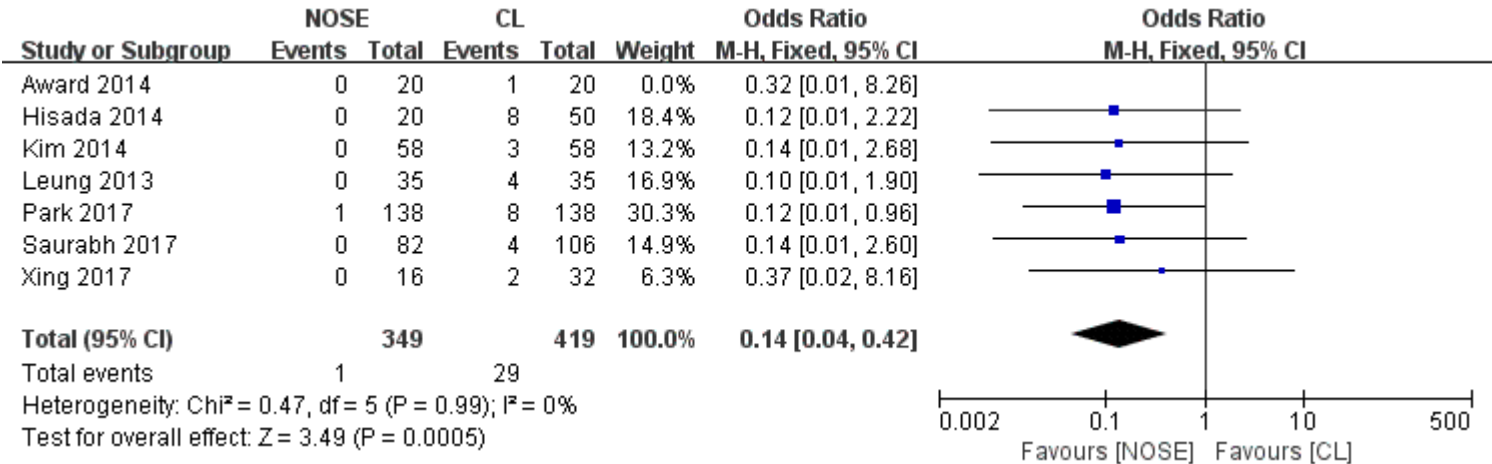
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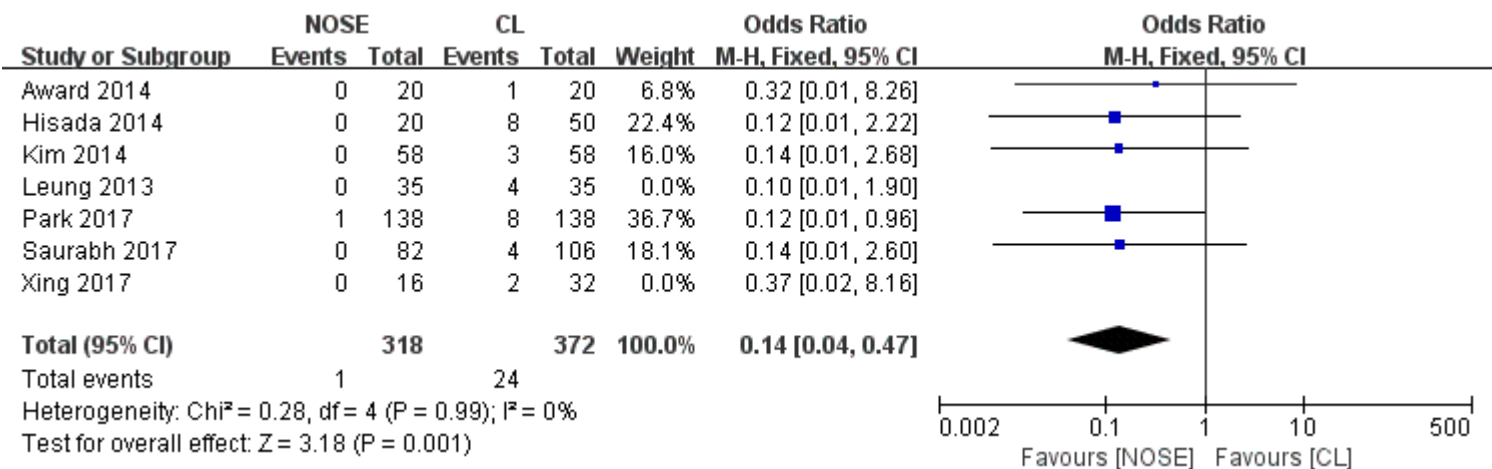
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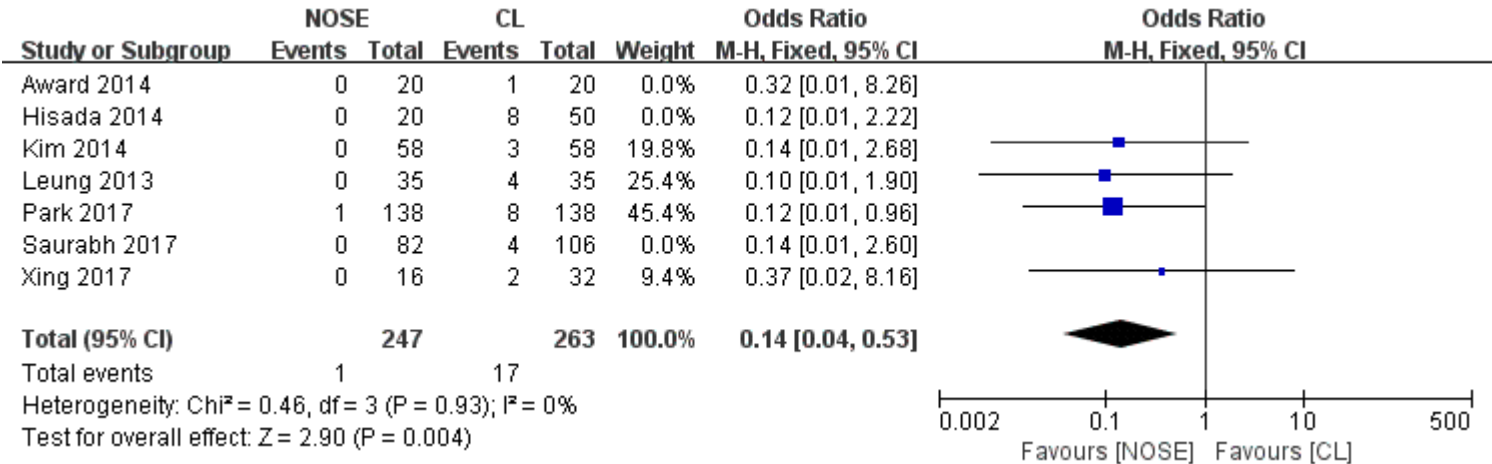
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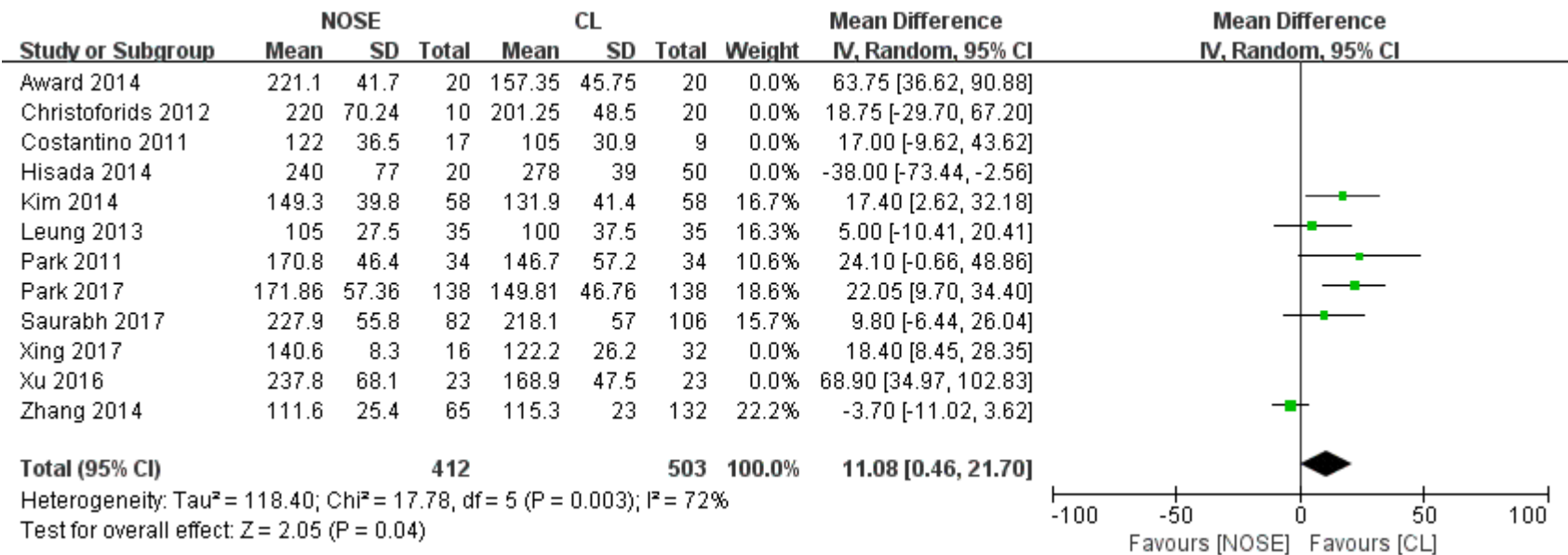
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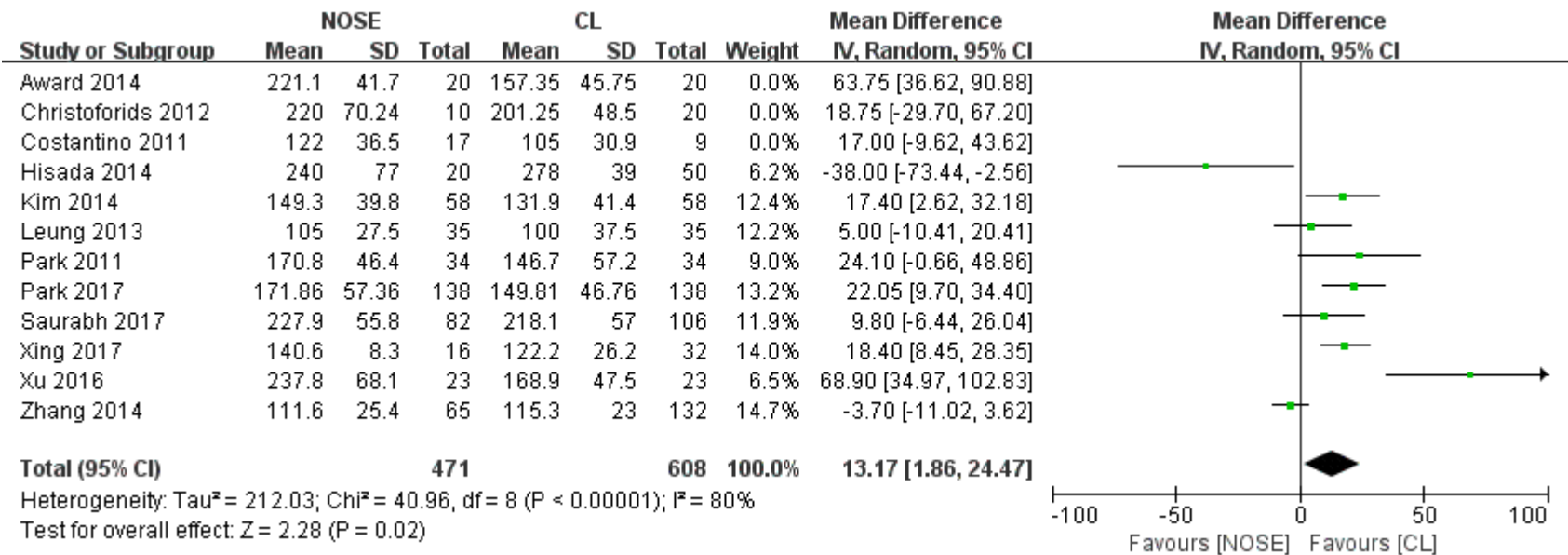
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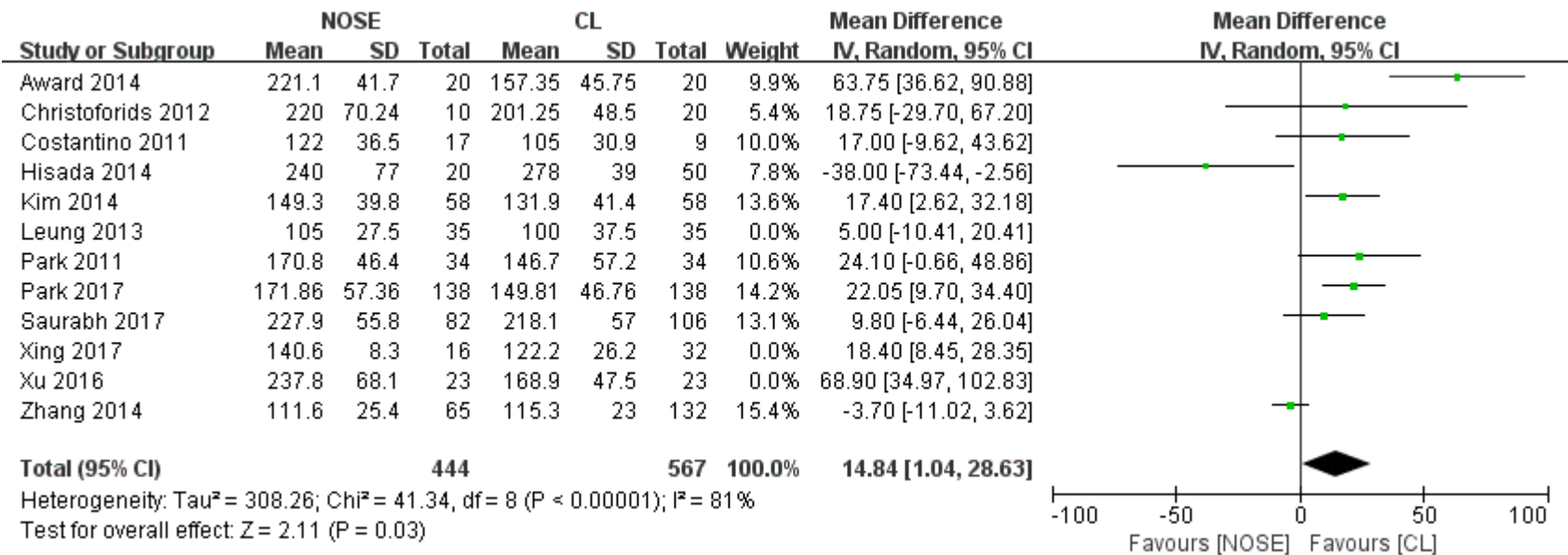
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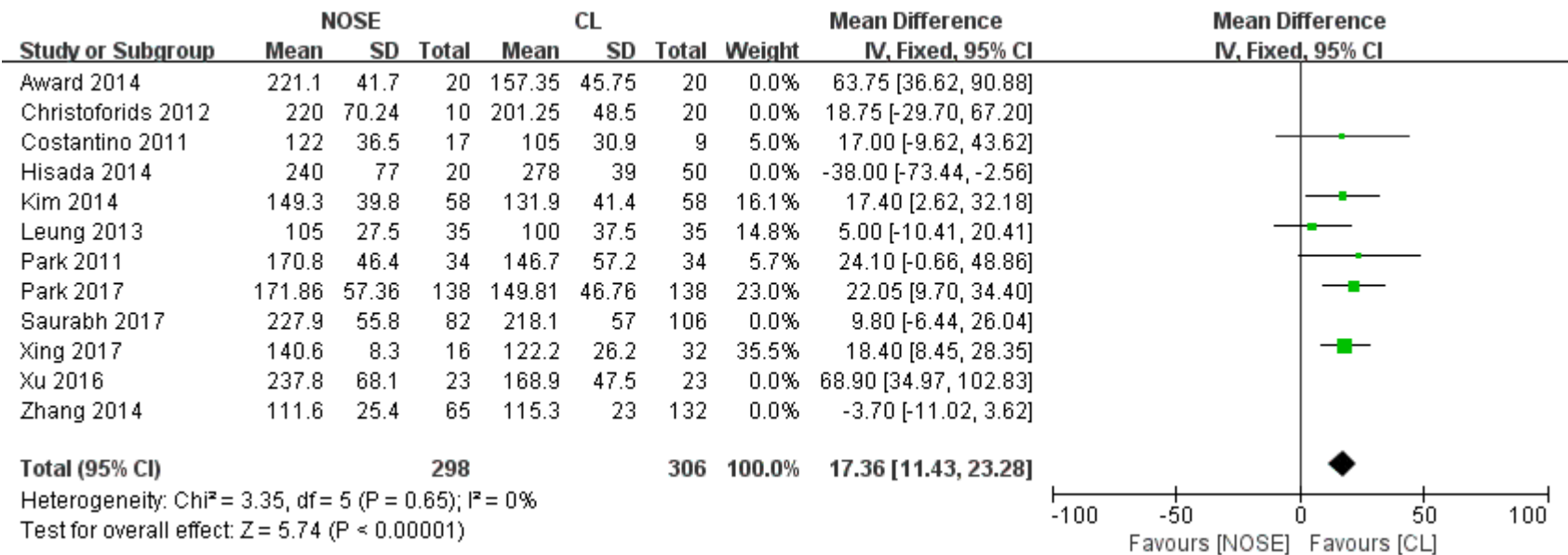
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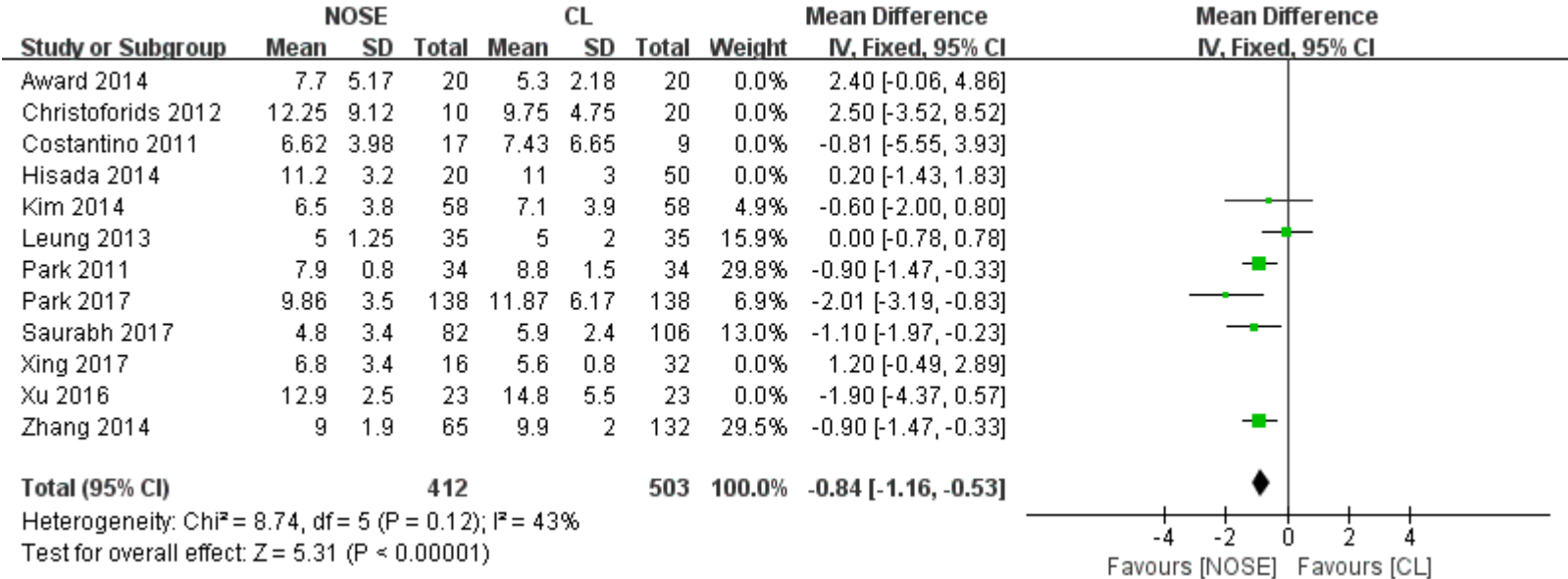
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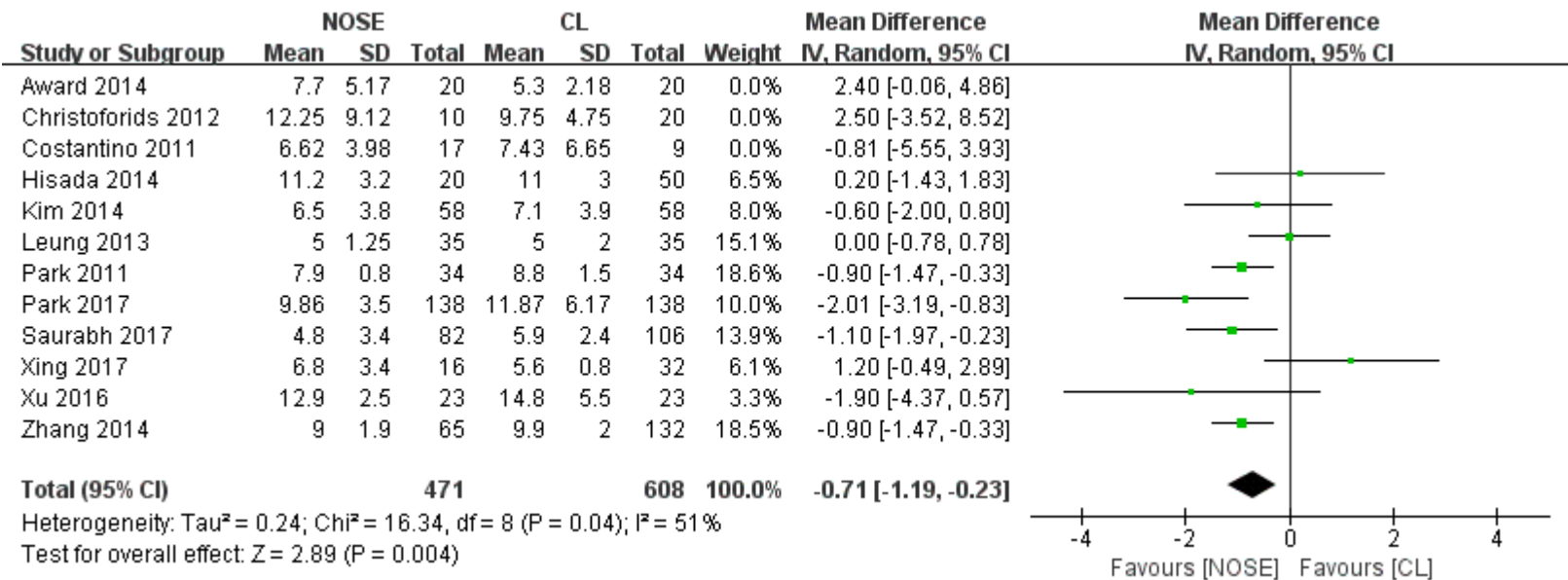
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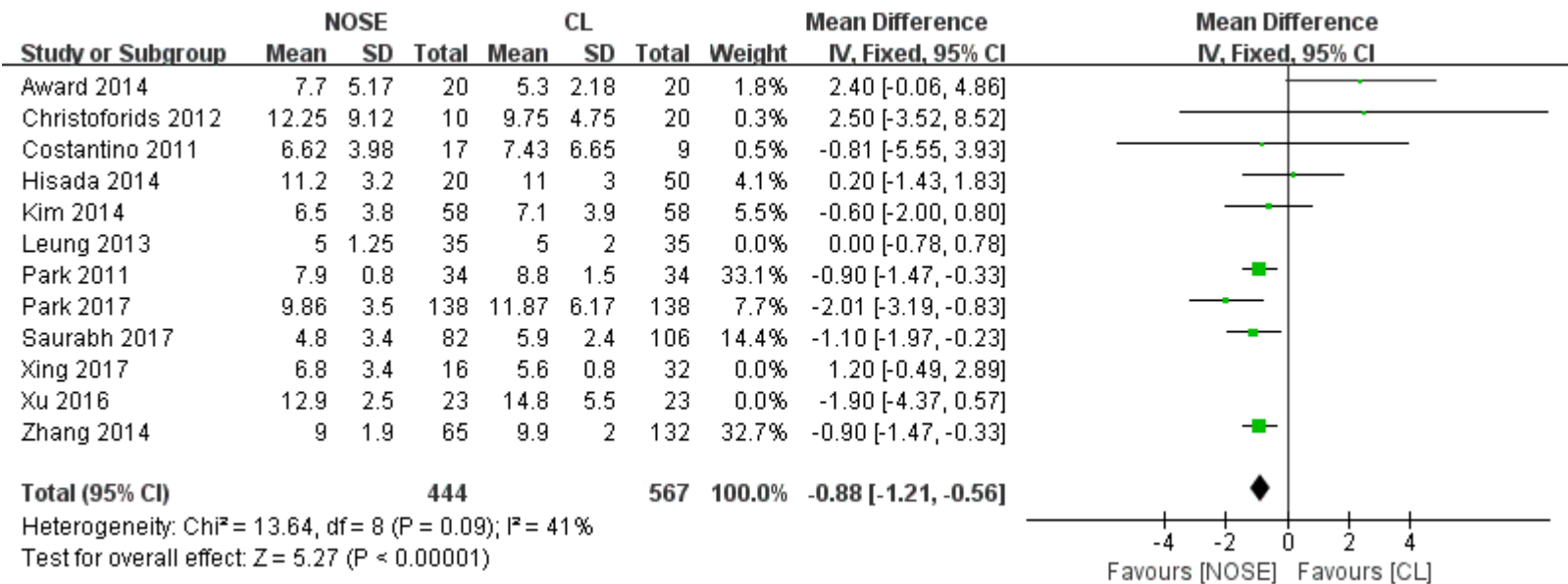
Supplementary Figure 10A



Supplementary Figure 10B



Supplementary Figure 10C



Supplementary Figure 10D

