Supplement Figure 1: Trial Sequential Analysis for HLOS for the use of WSC to treat aSBO. Contribution of studies to the analysis. TSA mimics an RCT that has a sample size equivalent the number of patients included in the meta-analysis. Each trial, in the order it was published, is considered as if it were an interim analysis. The blue solid line with square icons represents the cumulative *Z* value (mean difference between groups/SEM) for the intervention’s effect. The red lines with diamond icons are the O’Brien-Fleming stopping boundaries that correct for alpha-inflation resulting from multiple comparisons. If the *Z* value is above the curved line, a study has shown a statistically significant benefit in favor of the intervention. If below the curved line, the trial favors the control intervention and can be stopped. *Z* values between the curved lines indicate that statistical significance has not been reached and the trial should continue. If a *Z* value falls between the zero line and the triangular boundary, there is little likehood that continuing the trial will yield a statistically significant result and can be stopped for futility. In this analysis a trial of 822 patients would be needed to show the benefits of WSC for reducing HLOS when WSC is used to treat aSBO but after the last 2 trials were published, the *Z* value was greater than the O’Brien-Fleming boundary suggesting that further trials will not affect this conclusion and are not needed. In this figure, the trials are represented on the x-axis equally spaced. The figure in the main article is spaced relative

Chart, line chart

Description automatically generatedto the time period in years between publication of the articles.

Supplement Figure 2: Forest plot for the proportion of patients undergoing surgery in each group in the RCTs.

Graphical user interface, table

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Supplement Figure 3: Forest plot for the proportion of patients undergoing surgery in each group in the observational studies.

Graphical user interface

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Graphical user interface

Description automatically generated with medium confidenceSupplement Figure 4. Forest plot for the rates of bowel resection in patients undergoing an operation in each group.

Table

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Supplement Figure 5. Forest plot for the rates of complications in each group.

**Table

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Supplement Figure 6. Forest plot for the mortality rates in each group.

Graphical user interface, application

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