Supplemental Table 1: Overview of included studies

Supplement Table 2: CONSORT assessment of randomized clinical trials.

Supplemental Table 3: Newcastle-Ottawa quality scores for observational studies.

Supplement Table 4: STROBE assessment of observational studies

Supplement Table 5: Guideline Quality as per IOM Quality Measures for Guidelines

|  |  |  |
| --- | --- | --- |
| Standard | EAST 2012 | Bologna 2018 |
| 1. Establishingtransparency | Poor | Poor |
|  |
| 2. Management ofconflict of interest (COI)in the GuidelineDevelopment Group(GDG) | Good | Good |  |
|  |
|  |
|  |
| 3. GDG composition | Poor | Poor |  |
| 4. Clinical practiceguideline–systematicreview intersection | Fair | Fair |  |
|  |
|  |
| 5. Establishing evidencefoundations and ratingstrength for each of theguidelinerecommendations | Fair | Fair |  |
|  |
|  |
|  |
|  |
| 6. Articulation of Recommendations |   | Poor |  |
|  |
| 7. External review | Poor | Poor |  |
| 8. Updating | Poor | Poor |  |
| 9. Implementation Issues | Good | Good |  |
|  |

Guideline quality based on IOM criteria. For definitions see.34

Supplemental Data Table 6: Timing of WSC Administration and Follow-Up Imaging

|  |  |  |
| --- | --- | --- |
|  | **When was WSC given relative to Admission?** | **When were films obtained following WSC?** |
| Farid | "after complete suction of gastric fluid" | 8 and 24 hours |
| Scotte | Following 2 hrs of decompression | 8, 12, 24, 48 hrs after GG |
| Choi | After 48 hours of neither clinical nor radiologic improvement (mean 60 hours (range 48–68)) | Daily |
| Rahmani | Unclear when it was first given, but states 100cc given daily up to 4 days | n/a |
| Khorshidi | Following 2 hrs of decompression | 12, 24, 48 hrs |
| Feigin | n/a | n/a |
| Di Saverio | Immediately | 36 and 72 hours after GG administration |
| Burge | After NGT placement, resuscitation and stomach emptying | No XRs were taken (in order to maintain double blinded study) |
| Biondo | After diagnosis and informed consent and following complete gastric decompression in ED | 24 hours after GG  |
| Haule | After 24 hours of resuscitation | 12 and 24 hours |
| Assalia | n/a | 6 hours |
| Yagci  | After NGT placement and electrolyte resuscitation | 2,4,6,12 hr |
| Zielinski | Following 2 hrs of decompression | 8 hours |
| Srinivasa | "as soon as practical" | 24 hours after GG  |
| Galardi | Mean - 2.8 days after diagnosis | n/a |
| Baghdadi  | Following 2 hrs of decompression | 8 hours |
| Dombert | After NGT placement, resuscitation and stomach emptying | Within 24 hours after GG, usually 6-8 hours  |
| Long | After NGT placement and stomach emptyin | 4 and 24 hours |
| Zhou | After NGT placement and suctioning for 4 hours | 8 and 24 hours |
| Roadley | Within 8 hours of admission | 4hrs |