**Supplementary Table S1. List of excluded studies with rationale**

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| --- | --- | --- | --- | --- | --- |
| **Reference (Author, Year)** | **Study Design** | **Sample Size** | **Primary Outcome** | **Reason for Exclusion** | **Location in Screening Process** |
| Abud, A (2015) | Cross-sectional study | 416 | Peritonitis and catheter exit-site infection | Incomplete covariate data (OR) | Data extraction phase |
| Holley, J (1991) | Retrospective cohort Study | 411 | Tunnel infection | Incomplete covariate data (OR) | Data extraction phase |
| Oxton, L (1994) | Retrospective study | 163 | Catheter-related infection and peritonitis | Incomplete/Unclear Data Reporting ("New CRI" vs. "Total CRI" without explicit definitions) | Data extraction phase |
| Furth, S (2000) | Prospective cohort Study | 1258 | Catheter infections and peritonitis | No significant factors found (p>0.05 for all variables) | Full-text review |