

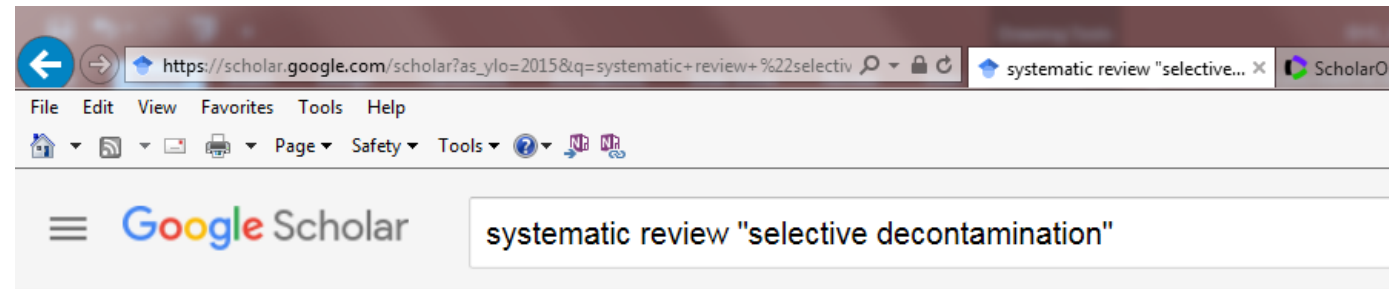
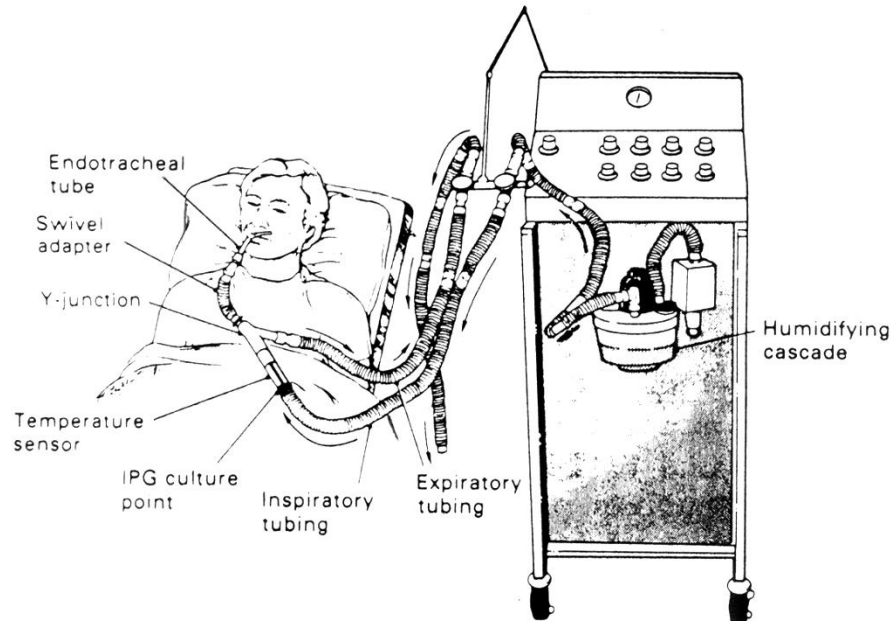
Herd peril within studies of decontamination in the ICU context? An umbrella review of >200 Ventilator-associated Pneumonia (VAP) prevention studies.

James C Hurley

Ventilator Associated Pneumonia (VAP) in ~20%

~200 prevention studies obtained from

- Systematic reviews
- Snowball sampling



Articles

About 1,110 results (0.11 sec)

- Any time
- Since 2019
- Since 2018
- Since 2015
- Custom range...

- Sort by relevance
- Sort by date

- include patents
- include citations

Digestive decontamination in burn patients: A systematic review of clinical trials and observational studies

M Rubio-Regidor, A Martin-Pellicer, L Silvestri... - Burns, 2018 - Elsevier

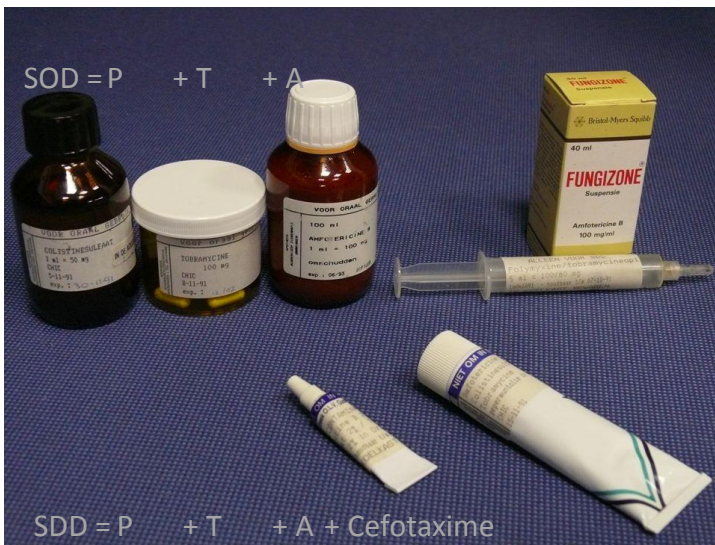
... The main findings of the present **systematic review** are: (i) There are two well interventions ... decontaminate the digestive tract that have been evaluated in the EA and ... a digestive solution, in combination with a 4 days course of **systemic** a

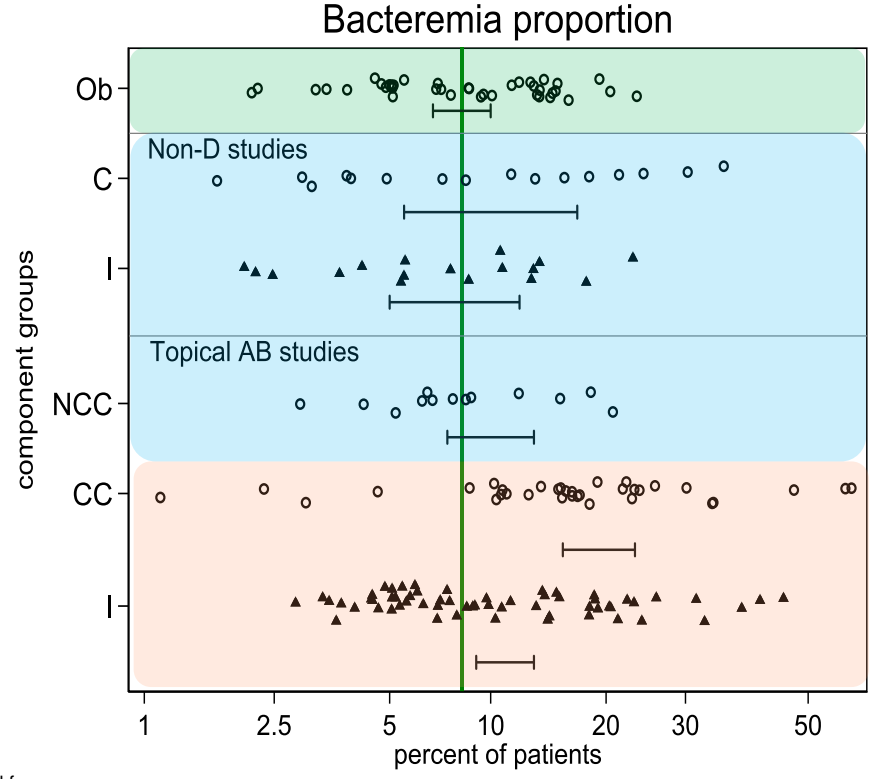
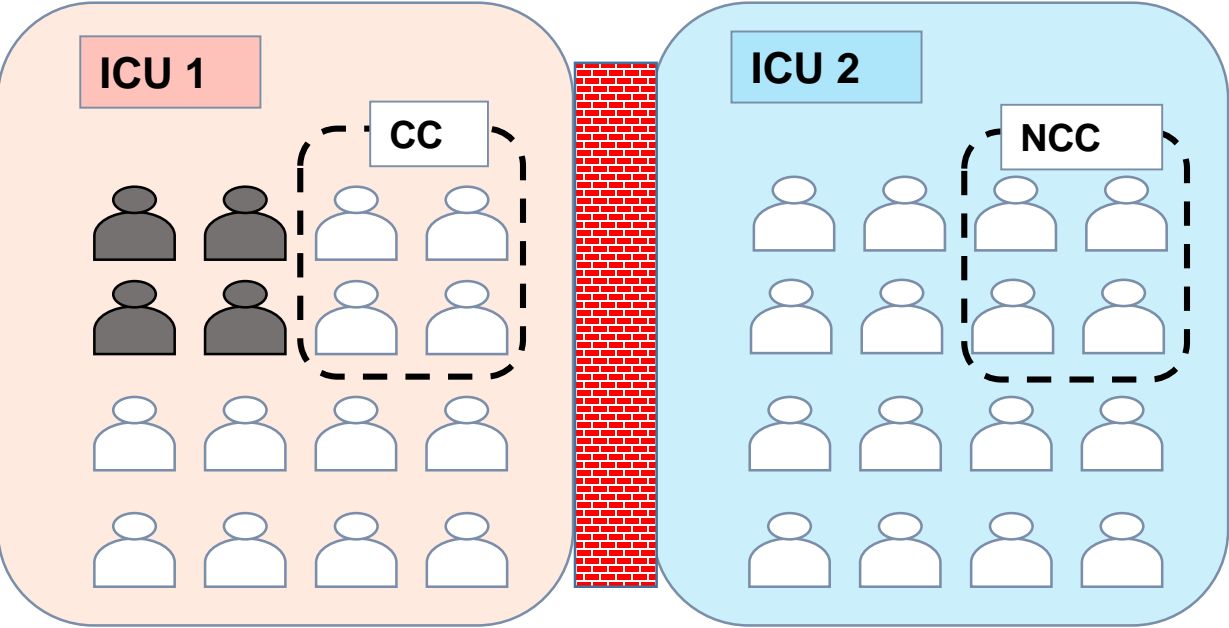
☆ [Cited by 1](#) [Related articles](#) All 4 versions

[HTML] A systematic review and meta-analysis of perioperative decontamination in patients undergoing major elective surgery

P Spreadborough, S Lort, S Pasquali... - Perioperative ..., 2016 - Springer

A subgroup **analysis** of two studies suggested patients undergoing cardiac su

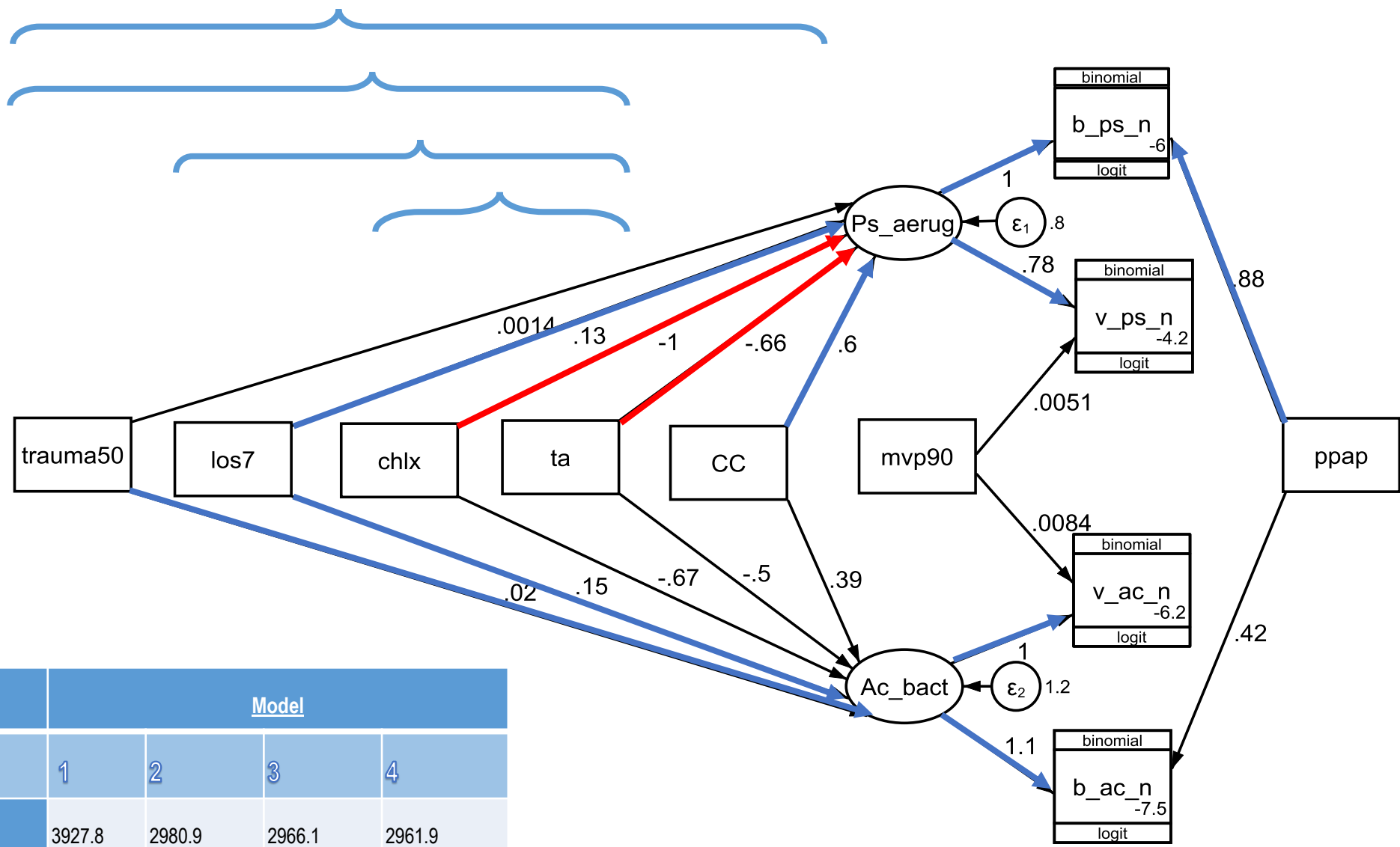




Adapted from;
 Hurley JC. **Topical** antibiotics as a major contextual hazard toward bacteremia within selective digestive decontamination studies: a meta-analysis. *BMC infect dis.* 2014;14(1):714.

Stoutenbeek CP, Van Saene HK, Miranda DR, Zandstra DF. The effect of selective decontamination of the digestive tract on colonisation and infection rate in multiple trauma patients. *Intensive Care Med* 1984;10(4):185-92.

Structural equation model (SEM)



Factor	Model			
	1	2	3	4
AIC	3927.8	2980.9	2966.1	2961.9
N	292	292	292	292
N_clust	211	211	211	211

Conclusions

Topical antibiotics (= SDD/SOD)

- **Appear very effective at preventing bacteremia and pneumonia in ICU patients**
- **Contextual effect postulated but yet to be tested**

Higher event rates among CC groups of topical AB studies

- **versus an external benchmark**
- **CC is a key factor in the SEM model**

Topical antibiotic as prevention in the ICU context is unsafe

- **Contextual effect?**