



*Supplement of*

## **Antibiotic prophylaxis before tissue biopsy has no effect on culture results in presumed aseptic revision total hip arthroplasty**

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## SUPPLEMENTARY MATERIAL

Positive culture result rate: n patient(s) (%)	AP pre-incision (n=61)	AP post-biopsy (n=429)	p-value
BMI			0.83
<30	2 / 38 (5.3)	16 / 312 (5.1)	
≥30	1 / 20 (5.0)	7 / 94 (7.4)	
ASA			0.98
I/II	3 / 48 (6.3)	13 / 303 (4.3)	
III/IV	0 / 10 (0)	10 / 103 (9.7)	

**Table S1:** Overview of the total culture positive rate (at least two positive intraoperative cultures of a specific microorganism or multiple colonies of a single high virulent microorganism in a single positive intraoperative culture) stratified by BMI ( $\geq 30$  or  $< 30$ ) and ASA (I/II or III/IV) of the study arm receiving AP pre-incision versus the study arm receiving AP after tissue biopsy. Cochran-Manzel-Haenszel tests were applied on the stratified data and statistical differences are displayed accordingly. Abbreviations: AP, antibiotic prophylaxis.

Contaminated culture result rate: n patient(s) (%)	AP pre-incision (n=61)	AP post-biopsy (n=429)	p-value
<b>BMI</b>			0.94
<30	13 / 27 (48.1)	75 / 254 (29.5)	
≥30	1 / 20 (5.0)	20 / 80 (25.0)	
<b>ASA</b>			0.93
I/II	11 / 40 (27.5)	72 / 244 (29.5)	
III/IV	3 / 7 (42.9)	24 / 89 (27.0)	

**Table S2:** Overview of the total contamination rate (one positive intraoperative culture of a single low virulent microorganism) stratified by BMI ( $\geq 30$  or  $< 30$ ) and ASA (I/II or III/IV) of the study arm receiving AP pre-incision versus the study arm receiving AP after tissue biopsy. Cochran-Manzel-Haenszel tests were applied on the stratified data and statistical differences are displayed accordingly. Abbreviations: AP, antibiotic prophylaxis.