## REDUCED OCCURRENCES OF PJI

Periprosthetic Joint Infection (PJI) was reduced from 1.9% to 0% by the use of intraoperative air decontamination system Number (%) Number (%)

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	OR Aa	OR B <sup>b</sup>	p=value <sup>c</sup>		OR Aª	PJI	
Males	98 (35.6)	78 (33.5)	0.09	Arthroplasty Proceedure			
Mean age	62.7	63.1	0.63	Primary hip	65 (24.6)	2	
Mean BMI	33.4	33.2	0.70	Primary Knees	132 (49.9)	0	
Revision surgery	34 (12.8)	39 (16.8)	0.15	Primary shoulder	5 (1.8)	0	
Diabetes dx	58 (21.1)	61 (26.2)	0.69	Revision hip	9 (3.4)	2	
Smoker	48 (17.5)	36 (15.1)	0.32	Revision knee	24 (9.1)	1	
Mean operative ime (min)	63.5	60.4	0.11	Revision shoulder	1 (0.3)	0	
` '				Bilateral hip	3 (1.1)	0	
<sup>a</sup> Operating Room A = Standard HEPA-Filter HVAC				Rilateral knee	26 (0.8)	Λ	

A Pilot Analysis. J Arthroplasty. 2019 Mar;34(3):549-553.

UV-decontamination

Table 1. Patient demographic and comorbid risk factors of retrospective cohort analysis of patient undergoing total joint arthroplasty

<sup>b</sup> Operating Room B = Standard HEPA-Filter HVAC plus Supplemental

Reference: Cook TM1, Piatt CJ1, Barnes S2, Edmiston CE Jr3, The Impact of Supplemental Intraoperative Air Decontamination on the Outcome of Total Joint Arthroplasty:

PII

Bilateral knee 26 (9.8) 12 (5.4) \*Total N 265 231

<sup>a</sup> Operating Room A = Standard HEPA-Filter HVAC <sup>b</sup> Operating Room B = Standard HEPA-Filter HVAC plus Supplemental

UV-decontamination

c Fisher's Exact test

Table 2. Distribution of total joint arthroplasty procedures and periprosthetic

\*Control Group: 5/256, 1.9%. ABX Group: 0/231, 0%

ioint infections (PJI)

<sup>&</sup>lt;sup>c</sup> Two-sample unpaired t-test