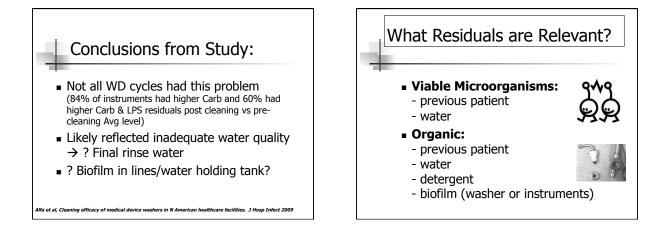


Residuals or post-clear				
Plastics Tray Instrument type: (visible soil after use)	Protein: (µg/cm²) Average for 5 devices		Hemoglobin: (μg/cm²) Average for 5 devices	
	Before cleaning	After cleaning	Before cleaning	After cleaning
1. Curved Mosquito forcep 1/5 visibly soiled: (1 device; 1+)	7.04	0.18	0.00	0.00
2. Fine Needle Driver 5/5 visibly soiled: (2 devices; 1+, 3 devices; 3+)	49.96	0.00	13.26	0.00
3. Curved Iris Scissors 2/5 visibly soiled: (2 devices; 3+)	373.78	0.14	110.96	0.00
4. Toothed Adson forcep (fine) 4/5 visibly soiled: (2 devices; 1+, 2 devices; 2+)	55.38	1.04	9.90	0.44
5. Skin Hook 1/5 visibly soiled: (1 device; 1+)	3.36	3.16	0.36	0.12
Average:	97.90	0.90	26.90	0.11

Residuals of post-clea				
Plastics Tray Instrument type: (visible soil after use)	Carbohydrate: (µg/cm²) Average for 5 devices (SD)*		Endotoxin: (EU/cm ²) Average for 5 devices (SD)	
	Before cleaning	After cleaning	Before cleaning	After cleaning
1. Curved Mosquito forcep 1/5 visibly soiled: (1 device; 1+)	120.52	301.16	13.68	18245.32
2. Fine Needle Driver 5/5 visibly soiled: (2 devices; 1+, 3 devices; 3+)	116.86	336.86	10.62	23667.74
3. Curved Iris Scissors 2/5 visibly soiled: (2 devices; 3+)	146.68	352.10	32.40	20.42
4. Toothed Adson forcep (fine) 4/5 visibly soiled: (2 devices; 1+, 2 devices; 2+)	169.40	138.76	23.44	13.14
5. Skin Hook 1/5 visibly soiled: (1 device; 1+)	141.14	193.46	10.58	25373.88
Average:	138.92	264.47	18.14	13464.10

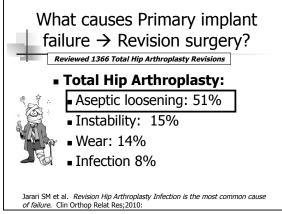


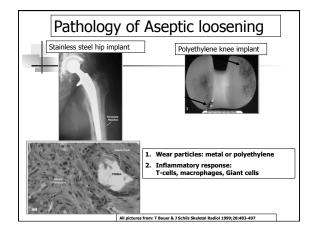
Take Home Message: Residuals Post-cleaning

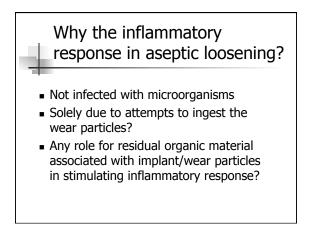
- Remain on instrument
- Steam sterilization → "sterile crud"
- Endotoxin (LPS); not destroyed by steam sterilization→ still causes inflammatory response
- Proteins etc are denatured but still remain antigenic

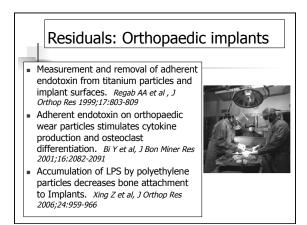
		s Instruc	
Manufacturer	Screws defined as implants	Cleaning validated for screws	Don't reprocess screws if soiled
1. Synthes	No	Not stated	Stated
2. Zimmer	Yes	Yes	Stated
3. Stryker	Yes	Yes	Stated
4. Wright	No	Not stated	Stated
5. Medacta	No	No	Stated
6. Ulrich Med	No	No	Stated
7. Smith & Nephew	No	No	Not clear

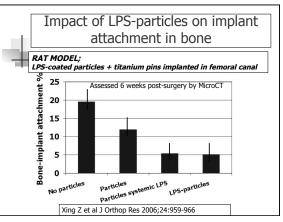
	facturer's		
Manufacturer	Remove Screws from Tray set to reprocess	Final rinse with high quality water	User validation required for cleaning
1. Synthes	Not stated	DI or PURW	Yes
2. Zimmer	Leave in set	Purified water	Yes
3. Stryker	Remove	Purified water	Yes
4. Wright	Not stated	DI or RO	Yes
5. Medacta	Not stated	DI or purified	Yes
6. Ulrich Med	Remove	Purified water	Yes
7. Smith & Nephew	Not stated	DI preferred	Yes

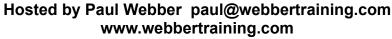


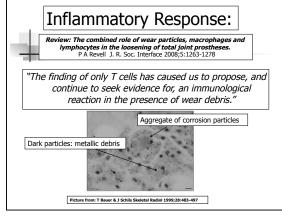


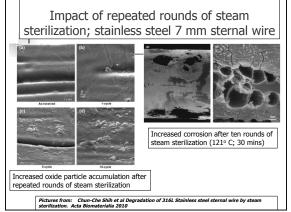


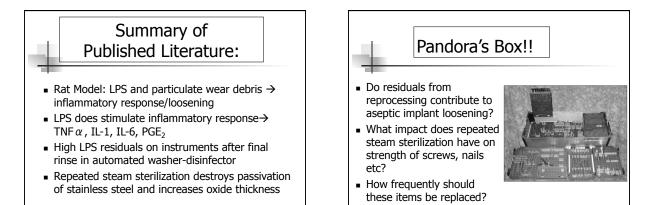


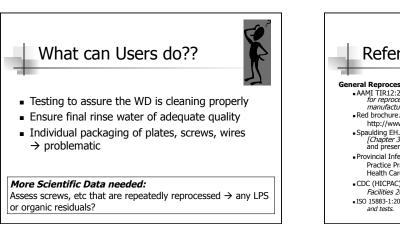


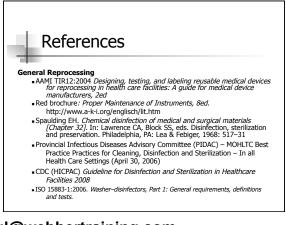


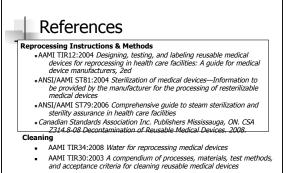












 ISO/TS 15883-5:2005 Washer-disinfectors — Part 5:Test soils and methods for demonstrating cleaning efficacy of washer-disinfectors



