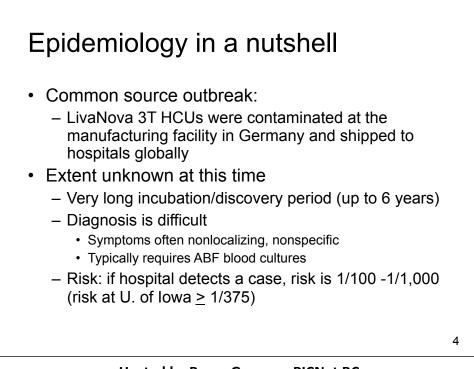
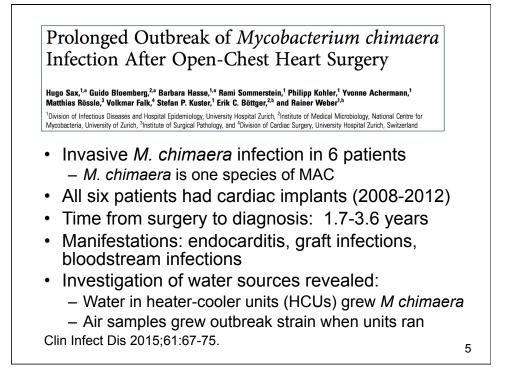
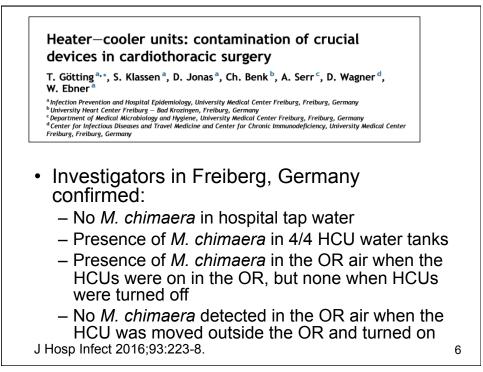
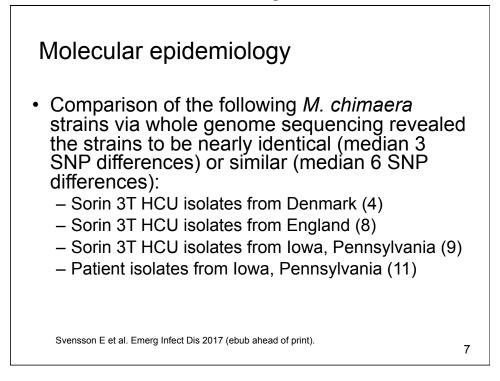


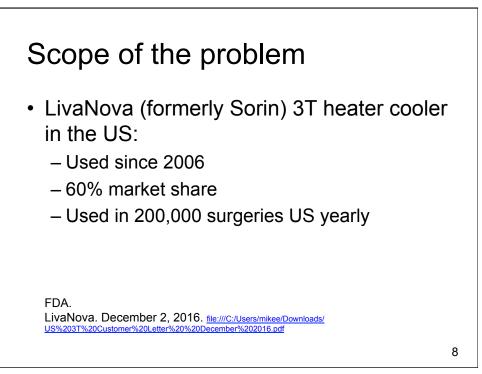
Species	Associations	
M. avium subsp. hominissuis	Opportunistic infections in pigs & immunosuppressed humans	
M. chimaera	Pulmonary cavities, pulmonary abscess, chronic obstructive pulmonary disease, bronchiectasis, cystic fibrosis; pulmonary disease less virulent than <i>M. avium</i> and <i>M. intracellulare</i>	
M. intracellulare	Enlarged lymph nodes in children; progressive pulmonary disease in elderly women	
M. colombiense	Isolated from blood & sputum of HIV-infected patients in Colombia & from diseased lymph nodes in children	
M. arosiense	Immunocompromised child with disseminated osteomyelitic lesions	
M. bouchedurhonense		
M. marseillense	Isolated from patients with pulmonary disease	
M. timonense		

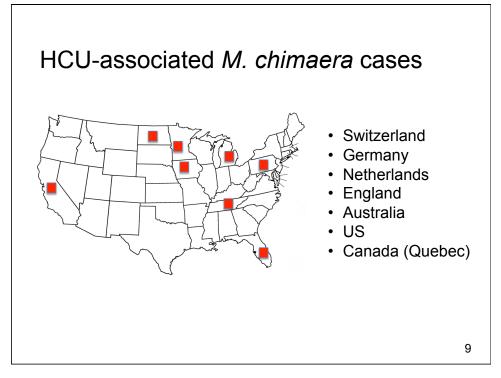


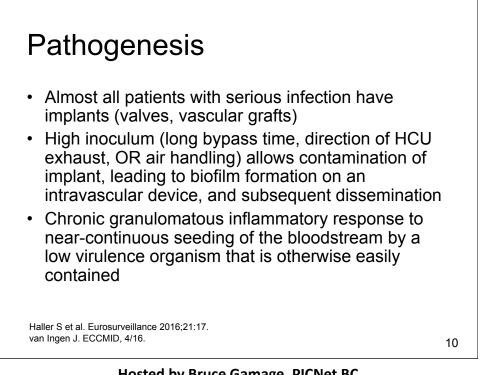




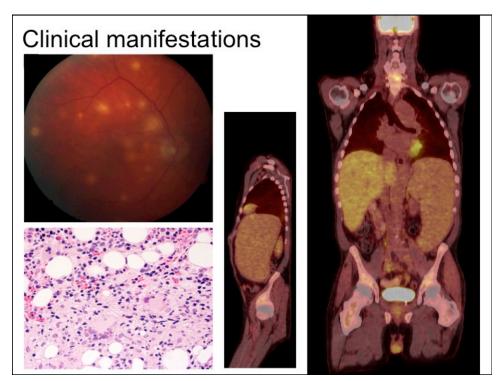




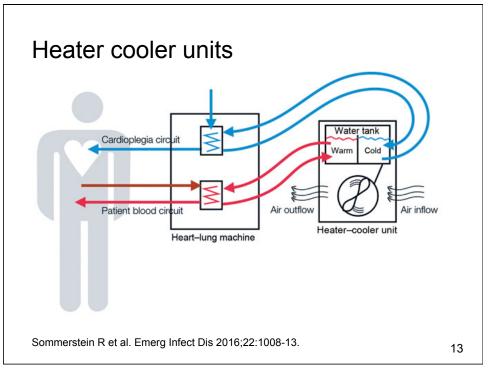


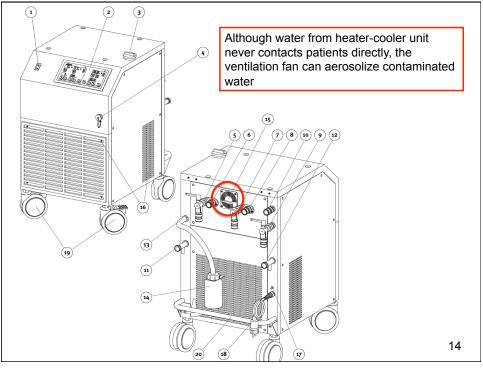






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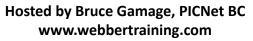


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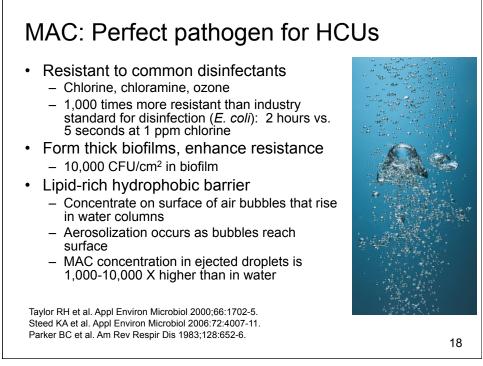
Chand M et al. Clin Infect Dis 2016 (epub ahead of print).

Source of bioaerosols 20 18 circulation of water (valves clo 16 circulation of water (valves open) mean no. particles/cm3 (n=6) 14 irculation of water (holes sealed) 12 10 8 الله المته الكو المريد التي المتي الكر التي التي التي التي التي التي المي التي اللي التي التي التي التي التي ال aerodynamic diameter (µm) Chand M et al. Clin Infect Dis 2016 (epub ahead of print). 16

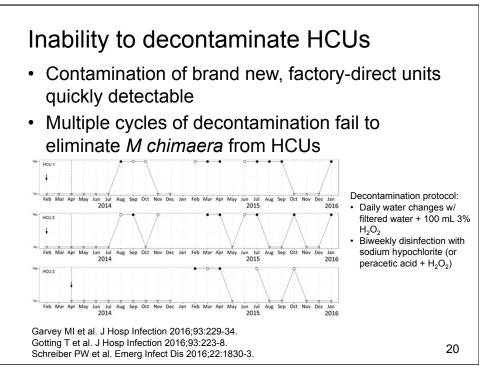


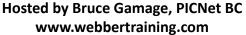
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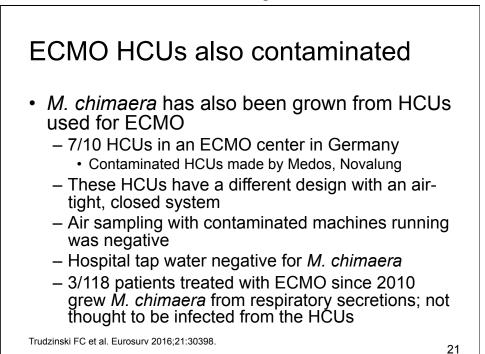










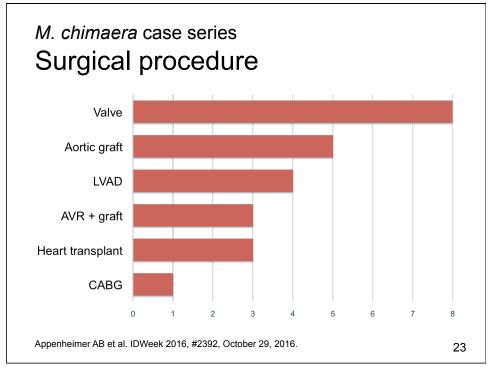


M. chimaera case series 4 US medical centers

Patient Characteristics	
Total number of cases	24
Earliest sentinel surgery	2010
Male	87%
Age, y (mean, range)	60 (19-83)
Prosthetic cardiovascular material	83%
Duration from surgery to symptom onset in months, mean (range)	17 (1-72)

Appenheimer AB et al. IDWeek 2016, #2392, October 29, 2016.

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M. chimaera case series Clinical presentation

Presumed source	N
Prosthetic valve	11
LVAD	6
Aortic graft	5
Sternal wound	2

Symptoms	%
Fatigue	100
Fever	70
Sweats	61
Cough	54
Dyspnea	50
Weight loss	50

- <u>Sites of dissemination</u>: liver, bone marrow, kidney, eye, thoracic and lumbar spine (osteomyelitis), pleural space, psoas muscle.
 - 13 patients had positive AFB blood cultures
- <u>Histopathology</u>: non-caseating granulomas, rarely AFB smear positive

Appenheimer AB et al. IDWeek 2016, #2392, October 29, 2016.

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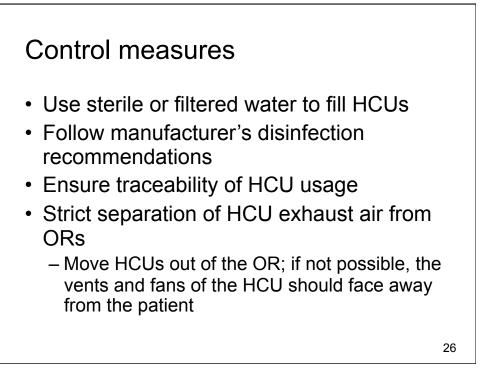
Outcomes				
	Total patients	Deceased	Crude morta	
Antibiotics [*] + prosthetic material explantation	6	2	33%	
Antibiotics* only	14	6	43%	
No antibiotics	4	3	75%	
Overall	24	11	46%	

shorter than for those on medical treatment only (mean 16 vs 27 months).

*Most common regimen: macrolide + rifamycin + ethambutol +/- moxifloxacin +/- amikacin

Appenheimer AB et al. IDWeek 2016, #2392, October 29, 2016.

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Control measures: Heater-cooler unit hose portal, U. of Iowa

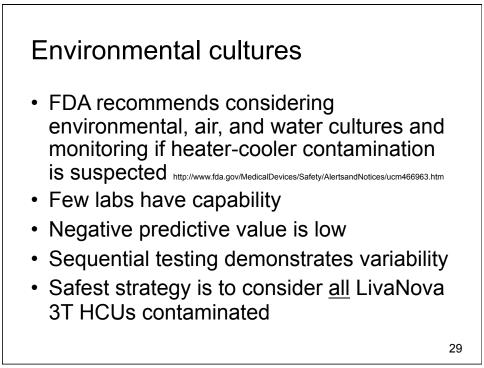


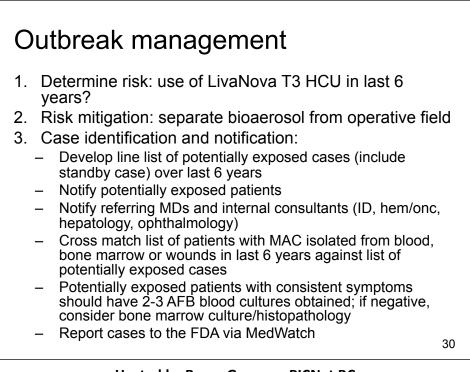
Hose portals constructed in all ORs where cardiopulmonary bypass is performed and all heater cooler units have been moved outside of ORs

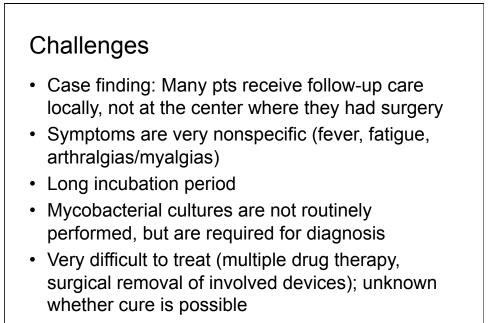




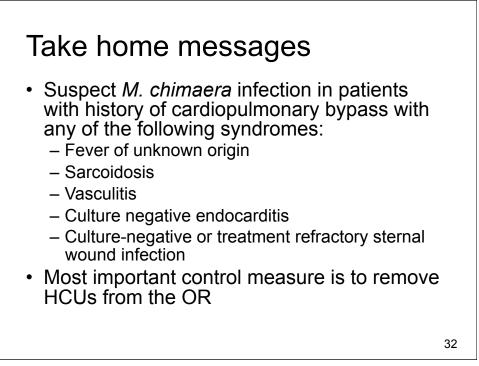
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The second second	www.webbertraining.com/schedulep1.php
February 2, 2017	(FREE Teleclass) KNOWLEDGE GAP ABOUT EBOLA VIRUS DISEASE AMONG HEALTH WORKERS IN HOTSPOTS IN SUDAN Speaker: Musaab Mohamed Nour Abdelrahim Alfaki, Daoud Research Group and Charity Clinic, Sudan
February 22, 2017	(South Pacific Teleclass) CATHETER-ASSOCIATED URINARY TRACT INFECTION PREVENTION IN THE CONTINUUM OF ACUTE CARE Speaker: Jan Gralton, Australian Commission on Safety and Quality in Healthcare
February 23, 2017	USING EXPERT PROCESS TO COMBAT CLOSTRIDIUM DIFFICILE INFECTIONS Speaker: Isabelle Guerreiro and Camille Achonu, Public Health Ontario, Canada
February 28, 2017	(European Teleclass) THE ROLE OF DRY SURFACE CONTAMINATION IN HEALTHCARE INFECTION TRANSMISSION Speaker: Prof. Jon Otter, Imperial College Healthcare NHS Trust, London
March 9, 2017	EVALUATION OF INFECTION CONTROL TRAINING Speaker: Martin Kiernan, University of West London
March 16, 2017	(FREE Teleclass) HOW TO BECOME CIC CERTIFIED WITHOUT BECOMING CERTIFIABLE

