

Structure quality		
Process quality		
Outcome quality		

Structure quality	
Audits – visits	
Visual impression	
Write a report:	
Description	
Photos Recommendations	
Staff:	
How many (in relation to patients' numbers)?	
Qualification?	
How many hygiene staff?	

Structure quality	
How many hygiene staff	
e.g. Germany:	
Full time hygiene doctor over 400 beds	
Full time hygiene nurse for every 150-200 beds	
Link doctors for each department	
Link nurses for each ward	













HACCP concept: Hazard Analysis and Critical Control Points (according to Codex Alimentarius)

Principles:

- 1. Identify potential hazards in food production.
- 2. Estimate the likelihood of identified hazards.
- 3. Define preventive measures to eliminate risks.
- 4. Define CCPs (critical control points) to monitor identified hazards.
- 5. Define critical limits which may not be exceeded to exclude biological, chemical and physical health hazards.
- 6. Define methods to monitor and measure critical limits.
- 7. Define corrective actions in case limits are exceeded in order to exclude acute or chronic hazards.
- 8. Have your HACCP plan written.
- 9. Test your systeme to proof that it works (verification).

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HACCP concept: Hazard Analysis and Critical Control Points (according to Codex Alimentarius)

Principles in short:

Identify hazards.

Define measures.

Make a written plan.

Do it!

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	Process quality
Training	
Public symposiu	ıms, congresses, workshops
Essen: 185 train	ing dates in 2011 (one hour until one
day)	
Documentation	

A	r quality: Particle In c	Proc es in air operatin Only if	ess sur g theatr you ha	veillanc es ve air si	e upply with filter
3 filters (Germany)	Particl µm	es (<u>></u> 0.5 1/m³)	bacteria	ı (cfu/m³)	
	ideal	limit	ideal	limit	
Filter 3: H 1	3 4.000	10.000	4	10	



Process surveillance Water: Colonies/ml: < 100 cfu/ml</td> Escherichia coli: 0 Legionella: < 100 cfu / 100 ml</td> Pseudomonas: 0 Chemicals like lead, nickel, copper Drinking fountain: Drinking water quality















Process surveillance	
Autoclavs:	
Validation	
Chemical indicator	
Daily inspection: visual (e.g. clean?)	
Empty charge (warming up) in the morning	
Bowie Dick test	
Vacuum test according to producer	
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Influence of the persons doing surveillance (standing/reputation in the hospital staff?) Problem of small numbers in short periods (e.g. 3 months) Problems of diagnosis: Sepsis: the more cases the more blood cultures Pneumonia: who makes the x-ray diagnosis? Politics of antibiotics Numbers of indicator operations big enough?		Problems
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Numbers of indicator operations big enough?	Problems of diagnosis: Sepsis: the more cas Pneumonia: who mal Politics of antibiotics	es the more blood cultures kes the x-ray diagnosis?
e.g. infection rate about 2 % in Germany	Numbers of indicator ope e.g. infection rate abo	rations big enough? out 2 % in Germany
		4:

Outcome surveillance	
Statistics of most common bacteria	
Resistance statistics	
Multirestistant bacteria	
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