Stellingen

Behorend bij het proefschrift

Molecular Epidemiology of *Staphylococcus aureus* Nasal Carriage and Wound Colonization in a Burn Centre

Moleculaire epidemiologie van *Staphylococcus aureus* neusdragerschap en wondkolonisatie op een Brandwondencentrum

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- 1. Treatment with nasal mupirocin of patients with burns at admission results in a decrease of the risk on *S. aureus* burn wound colonization. *This thesis.*
- 2. In patients on admission, *S. aureus* carriage is a predictor of subsequent *S. aureus* burn wound colonization during hospital stay. *This thesis.*
- 3. Health care workers can serve not only as a vector but also as an important reservoir in the dynamics of *S. aureus* transmissions. *This thesis.*
- 4. A burn centre could represent a special ecological setting for *S. aureus* in which some clones may flourish over others and become enriched. *This thesis.*
- 5. A single course of nasal mupirocin in health care workers can cause a temporary significant shift in sources and genotypes of *S. aureus* colonizing the patients' burn wounds. *This thesis.*
- Identification of emerging MDR Gram-negative bacteria and recognition of resistance plasmid transfer during SDD treatment are crucial for optimal application of this regimen in ICUs. J Antimicrob Chemother. 2006;58(4):853-6.
- 7. Polyomaviruses simian virus 40 and BK virus can be present in tonsils from immunocompetent children. *J Clin Virol.* 2008;43(1):66-72.
- Intradermal influenza vaccination using a microinjection system provides increased protection against influenza infection and its associated complications in elderly adults. J Infect Dis. 2008;198(5):650-8.
- A microarray based on the 16S rRNA marker gene is a potentially powerful identification tool for routine clinical laboratory diagnostics. BMC Microbiol. 2007; 7: 78.
- 10. The use of paracetamol in childhood, can increase the risk of developing asthma and related allergic disorders. *Lancet. 2008.* 372(9643):1039-48.
- 11. Een wijde blik verruimt het denken.