

# Balancing between sepsis, AKI and gentamicin in the emergency department

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## **Balancing between sepsis, AKI and gentamicin in the emergency department**

1. The incidence of AKI in patients with sepsis in the emergency department is highly dependent on the applied definition of sepsis and of AKI. (this thesis)
2. A single dose of gentamicin in patients with sepsis in the emergency department is safe for the renal function. (this thesis)
3. The development of AKI after admission in patients with sepsis is multifactorial. It is associated with higher baseline creatinine, shock, and diabetes mellitus. (this thesis)
4. Based on dosing in milligram per kilogram, a significant number of patients with sepsis receiving gentamicin in the emergency department are underdosed. (this thesis)
5. A dose of 7 mg/kg is needed to achieve adequate peak concentrations in the majority of patients with sepsis in the emergency department. (this thesis)
6. Aminoglycosides can reduce the use of 3rd and 4th generation cephalosporins and carbapenems.
7. Everything that happens once can never happen again. But everything that happens twice will surely happen a third time – Paulo Coelho
8. Not everything that counts can be counted, and not everything that can be counted counts – Albert Einstein
9. In every walk with nature one receives far more than he seeks – John Muir
10. COVID-19 will reshape our world. We don't yet know when the crisis will end. But we can be sure that by the time it does, our world will look very different – Josep Borrel