

### **Abstract**

Microbial infections were observed in 30% (155/519) of all patients consecutively admitted in 1993 to the adult intensive care unit in the Jordan University Hospital in Amman. Gram-negative bacteria were involved in 110 (49%), Gram-positive bacteria in 69 (31%), mixed bacteria species in 25 (11%) and *Candida* spp. in 19 (9%) of all 223 infection episodes. Five species were isolated most frequently: *Staphylococcus aureus* (40), *Acinetobacter* spp. (28) *Pseudomonas* spp. (22), *Enterobacter* spp. (20) and *Klebsiella* spp. (17). Resistance to most commonly available antibiotics was moderate to very high among Gram-positive and Gram-negative isolates. Almost all Gram-negative bacteria were sensitive to imipenem and ciprofloxacin.