

AN OUTBREAK OF GENTAMICIN-RESISTANT *KLEBSIELLA PNEUMONIAE* IN A NEONATAL WARD

S. Shamseldin El Shafie, W. Smith, G. Donnelly

Department of Microbiology, College of Medicine, Al Khod, Sultanate of Oman

SUMMARY

Gentamicin-resistant *Klebsiella pneumoniae* (GRKP) was isolated from nineteen patients in the neonatal ward of Sultan Qaboos University Hospital (SQUH) in Oman. Thirteen cases were infected and six were colonized. Two infected patients died due to septicaemia, eight cases occurred within SQUH and eleven cases were imported from other hospitals. Sixteen isolates were of the same serotype (K25), three were non typeable.

Referred patients from peripheral hospitals were the source of the organism and hand carriage the probable vehicle of transmission. The first strain of gentamicin-sensitive *Kleb. pneumoniae* was isolated five months after combating the outbreak.

Key words: *Klebsiella pneumoniae*, gentamicin-resistance, cross-infection, neonates

Address for correspondence: S. Shamseldin El Shafie, College of Medicine, Microbiology Department, P.O.Box 35, Al Khod, Muscat 123, Sultanate of Oman