

- Adam, B.; Baillie, G. S. and Douglas, L. J. (2002):**
Mixed species biofilms of *Candida albicans* and *Staphylococcus epidermidis*.
J Med Microbiol; 51:344-349.
- Adams, B. G. and Marrie, T. J. (1982):**
Hand carriage of aerobic gram-negative rods may not be transient.
J Hyg; 89: 33-46.
- Adams, W. G.; Kinney, J. S. and Schuchat, A. (1993):**
Outbreak of early onset group B streptococcal sepsis.
Pediatr Infect Dis J; 12:565-570.
- Adams-Chapman, I. and Stoll, B. J. (2002):**
Prevention of nosocomial infections in the neonatal intensive care unit.
Curr Opin Pediatr; 14(2):157-164.
- Ahmed, A. S.; Chowdhury, M. A.; Hoque, M. and Darmstadt, G. L. (2002):**
Clinical and Bacteriological Profile of Neonatal Septicemia in a Tertiary level
Pediatric Hospital in Bangladesh.
Indian Pediatr; 39:1034-1039.
- Akpede, G. O. and Abiodun, P. O. (1995):**
The micro-erythrocyte sedimentation rate as a screening test for bacteraemia in
young children with non-focal infections.
West Afr J Med; 14(3): 147-151.
- Alary, M. A. and Joly, J. R. (1992):**
Factors contributing to the contamination of hospital water distribution systems by
Legionellae.
J Infect Dis; 165(3):565-569.
- Albert, R. K. and Condie, F. (1981):**
Hand-washing patterns in medical intensive-care units.
N Engl J Med; 304 :1465 –1466.
- Alfa, M. J. and Sitter, D. L. (1991):**
In-hospital evaluation of contamination of duodenoscopes: a quantitative assessment
of the effect of drying.
J Hosp Infect; 19(2):89-98.
- Alfa, M. J.; Olson, N.; De-Gagne, P. and Hizon, R. (1998):**
New low temperature sterilization technologies: microbicidal activity and clinical
efficacy. In: Rutala, W. A. (ed.). *Disinfection, sterilization and antisepsis in health
care*. Washington, DC: Association for Professionals in Infection Control and
Epidemiology, Inc. and Polyscience Publications, Inc. Pp:67-78 & 101-03.
- Al-Hadithy, H.; Addison, I. E.; Goldstone, A. H.; Cawley, J. C. and Shaw, J. C. (1981):**
Defective neutrophil function in low birth weight and premature infants.

J Clin Pathol; 34:366-401.

Alvarado, C.J. and Reichelderfer, M. (2000):

APIC Guidelines for infection prevention and control in flexible endoscopy.
Am J Infect Control; 28:138-155.

Aly, R. and Maibach, H. I. (1979):

Comparative study on the antimicrobial effect of 0.5% chlorhexidine gluconate and 70% isopropyl alcohol on the normal flora of hands.
Appl Environ Microbiol; 37:610-3.

Aly, R. and Maibach, H. I. (1988):

Comparative antibacterial efficacy of a 2-minute surgical scrub with chlorhexidine gluconate, povidone-iodine, and chloroxylenol sponge-brushes.
Am J Infect Control; 16:173-7.

Aly, R.; Bayles, C. and Maibach, H. (1988):

Restriction of bacterial growth under commercial catheter dressings.
Am J Infect Control; 16:95-100.

American College of Chest Physicians/Society of Critical Care Medicine (ACCP/SCCM) Consensus Conference (1992):

Definitions for sepsis and organ failure and guidelines for the use of innovative therapies in sepsis.
Crit Care Med; 20:864-874.

Anderson, R. L. (1989):

Iodophor antiseptics: intrinsic microbial contamination with resistant bacteria.
Infect Control Hosp Epidemiol; 10:443-6.

Ansari, S. A.; Springthorpe, V. S.; Sattar, S. A.; Tostowaryk, W. and Wells, G. A. (1991):

Comparison of cloth, paper, and warm air drying in eliminating viruses and bacteria from washed hands.
Am J Infect Control; 19:243-9.

Arafa, K. R. (2003):

Study of nosocomial infection in neonatal intensive care unit at Benha university hospital . M. Sc. Thesis in pediatrics, Benha faculty of medicine, Benha university.

Archibald, L. K.; Corl, A.; Shah, B.; Schulte, M.; Arduino, M. J.; Aguero, S.; Fisher, D. J.; Stechenberg, B. W.; Banerjee, S. N. and Jarvis, W. R. (1997):

Serratia marcescens outbreak associated with extrinsic contamination of 1% chloroxylenol soap.
Infect Control Hosp Epidemiol; 18(10):704-9.

Aronson, M.D. and Bor, D.H. (1987):

Blood cultures.
Ann Intern Med; 106:246-53.

Ascher, D. P.; Becker, J. A. and Yoder, B. A. (1993):

Failure of intrapartum antibiotics to prevent culture-proved neonatal group B streptococcal sepsis.
J Perinatol; 13:212-216.

Ashkenazi, S.; Weiss, E.; Drucker, M. M. and Bodey, G. P. (1986):

Bacterial adherence to intravenous catheters and needles and its influence by cannula type and bacterial surface hydrophobicity.
J Lab Clin Med;107:136-40.

Atlas, R. M. and Parks, L. C. (1993):

Handbook of Microbiological Media. Boca Raton: CBC Press.

Avila-Figueroa, C.; Goldmann, D. A.; Richardson, D. K.; Gray, J. E. ; Ferrari, A. and Freeman, J. (1998):

Intravenous lipid emulsions are the major determinant of coagulase-negative staphylococcal bacteremia in very low birth weight newborns.
Pediatr Infect Dis J; 17:10-17.

Ayliffe, G. A. J.; Babb, J. R.; Davies, J. G. and Lilly, H. A. (1988):

Hand disinfection: a comparison of various agents in laboratory and ward studies.
J Hosp Infect; 11:226-43.

Baird, D. (1996):

Staphylococcus: Cluster-forming Gram-positive cocci In: Collee, J. G.; Fraser, A. G.; Marmion, B.P.; et al. (eds.) *Mackie & McCartney Practical Medical Microbiology*. New York: Churchill Livingstone. Pp:245-61.

Baker, C. J. and Edwards, M. S. (2003):

Group B streptococcal conjugate vaccines.
Arch Dis Child; 88:375-378.

Baker, C. J. and Rench, M. A. (1983):

Commercial latex agglutination for detection of group B streptococcal antigen in body fluids.
J Pediatr; 102:393-395.

Baltimore, R. S. (1998):

Neonatal nosocomial infections.
Semin Perinatol; 22:25 –32.

Baron, E. J.; Peterson, L. R. and Finegold, S. M.; (1994):

Microorganisms encountered in the blood. In: Baron, E. J.; Peterson, L. R. and Finegold, S. M. (eds.). *Bailey & Scott's Diagnostic Microbiology*, 9th ed. St. Louis, Missouri:Mobsy. Pp:194-209.

Barton, L.; Hodgman, J. E. and Pavlova, Z. (1999):

Causes of death in the extremely low birth weight infant.

Pediatrics; 103:446-451.

Basaran, U. N.; Celayir, S.; Eray, N.; Ozturk, R. and Senyuz, O. F. (1998):

The effect of an H₂-receptor antagonist on small-bowel colonization and bacterial translocation in newborn rats.

Pediatr Surg Int; 13:118-120.

Benirschke, K. (1960):

Routes and types of infection in the fetus and newborn.

Am J Dis Child; 99: 714-721.

Benjamin, D. K. Jr; Miller, W.; Garges, H.; Benjamin, D. K.; McKinney, R. E. Jr;

Cotton, M.; Fisher, R. G. and Alexander, K. A. (2001):

Bacteremia, central catheters, and neonates: when to pull the line. *Pediatrics*; 107(6):1272-1276.

Bennett, R.; Eriksson, M. and Zetterstrom, R. (1989):

Increasing incidence of neonatal septicemia: Causative organisms and predisposing risk factors.

Acta Pediatr Scand; 70: 207- 210.

Berger, C.; Uehlinger, J.; Ghelfi, D.; Blau, N. and Fanconi, S. (1995):

Comparison of C-reactive protein and white blood cell count with differential in neonates at risk of septicaemia.

Eur J Pediatr; 154:138-44.

Berkelman, R. L.; Holland, B. W. and Anderson, R. L. (1982):

Increased bactericidal activity of dilute preparations of povidone-iodine solutions.

J Clin Microbiol; 15:635-9.

Berthelot, P.; Grattard, F.; Mahul, P.; Jospe, R.; Pozzetto, B.; Ros, A.; Gaudin, O. G. and Auboyer, C. (1993):

Ventilator temperature sensors: an unusual source of *Pseudomonas cepacia* in nosocomial infection.

J Hosp Infect; 25(1):33-43.

Bettin, K.; Clabots, C.; Mathie, P.; Willard, K. and Gerding, D. N. (1994):

Effectiveness of liquid soap vs chlorhexidine gluconate for the removal of *Clostridium difficile* from bare hands and gloved hands.

Infect Control Hosp Epidemiol; 15:697-702.

Bhaumik, S.; Ghosh, S.; Haldar, K. K.; Mitra, P. K. and Manna, B. (2000):

Risk of Early Onset Neonatal Septicemia in Babies Born to Mothers with Pre-Eclampsia.

Indian Pediatr; 37 (7): 775- 779.

Bhutta, Z. A.; Naqvi, S. H.; Muzzaffar, T. and Farooqui, J. (1991):

Neonatal sepsis in Pakistan: Presentation and pathogen.

Acta Pediatr Scand; 80: 596-601.

Bischoff, W. E.; Reynolds, T. M.; Sessler, C. N.; Edmond, M. B. and Wenzel, R. P. (2000):

Handwashing compliance by health care workers: the impact of introducing an accessible, alcohol-based hand antiseptic.
Arch Intern Med; 160: 1017–1021.

Bond, W. W. (1998):

Endoscope reprocessing: problems and solutions. In: Rutala, W. A. (ed.). *Disinfection, sterilization and antisepsis in health care*. Washington: Association for Professionals in Infection Control and Epidemiology, Inc. and Polyscience Publications, Inc. Pp:151-63

Bond, W. W.; Favero, M. S.; Petersen, N. J. and Ebert, J. W. (1983):

Inactivation of hepatitis B virus by intermediate-to-high-level disinfectant chemicals.
J Clin Microbiol; 18:535-8.

Boyce, J. M. (1999):

It is time for action: improving hand hygiene in hospitals.
Ann Intern Med; 130:153-5.

Boyce, J. M. and Pittet, D. (2002):

Guideline for Hand Hygiene in Health-Care Settings.
Centers for Disease Control and Prevention. *Morbidity and Mortality Weekly Report (MMWR)*; 51:1-45.

Boyer, K. M.; Gadzala, C. A.; Burd, L. I.; Fisher, D. E.; Paton, J. B. and Gotoff, S. P. (1983a):

Selective intrapartum chemoprophylaxis of neonatal group B streptococcal early-onset disease. I. Epidemiologic rationale.
J Infect Dis; 148:795-801.

Boyer, K. M.; Gadzala, C. A.; Kelly, P. D.; Burd, L. I. and Gotoff, S. P. (1983b):

Selective intrapartum chemoprophylaxis of neonatal group B streptococcal early-onset disease. II. Predictive value of prenatal cultures.
J Infect Dis; 148:802-809.

Branchini, M. L.; Pfaller, M. A.; Rhine-Chalberg, J.; Frempong, T. and Isenberg, H. D. (1994):

Genotypic variation and slime production among blood and catheter isolates of *Candida parapsilosis*.
J Clin Microbiol; 32:452—6.

Brocklehurst, P. and McGuire, W. (2005):

Evidence based care
BMJ; 330:36-38.

Brodie, S. B.; Sands, K. E.; Gray, J. E.; Parker, R. A.; Goldman, D. A.; Davis, R. B. and Richardson, D. K. (2000):

Occurrence of nosocomial bloodstream infections in six neonatal intensive care units.

Pediatr Infect Dis J; 19(1):56-65.

Buck, C.; Bundschu, J.; Gallati, H.; Bartmann, P. and Pohlandt, F. (1994):

Interleukin-6: a sensitive parameter for the early diagnosis of neonatal bacterial infection.

Pediatrics; 93:54–8.

Buonocore, G.; De-Filippo, M.; Gioia, D.; Picciolini, E.; Luzzi, E.; Bocci, V. and Bracci, R. (1995):

Maternal and neonatal plasma cytokine levels in relation to mode of delivery.

Biol Neonate; 68 (2): 104-110.

Burke, J.P. and Pestotnik, S. L. (1999):

Computer-assisted prescribing and its impact on resistance. In: Andreumont A.; Brun-Buisson. C.; McGowan, J. E. (eds.). *Antibiotic therapy and control of antimicrobial resistance in hospitals*. Paris: Elsevier. Pp: 89-95.

Buttery, J. P. (2002):

Blood cultures in newborns and children: optimising an everyday test.

Arch Dis Child Fetal Neonatal Ed; 87:F25-F28.

Calfee, D. P. and Farr, B. M. (2002):

Comparison of four antiseptic preparations for skin in the prevention of contamination of percutaneously drawn blood cultures: a randomized trial.

J Clin Microbiol; 40:1660–5.

Campos, J. M. (1989):

Detection of bloodstream infections in children.

Eur J Clin Microbiol Infect Dis; 8:815.

Cardoso, C. L.; Pereira, H. H.; Zequim, J. C. and Guilhermetti, M. (1999):

Effectiveness of hand-cleansing agents for removing *Acinetobacter baumannii* strain from contaminated hands.

Am J Infect Control; 27:327-31.

CDC-NNIS, (2001):

Centers for Disease Control and Prevention (CDC). National Nosocomial Infections Surveillance (NNIS) System report, data summary from January 1992--June 2001, issued August 2001.

Am J Infect Control; 6:404-21.

Centers for Disease Control and Prevention (CDC) (1975):

Isolation techniques for use in hospitals. 2nd ed. Washington: US Government.

Centers for Disease Control and Prevention (CDC) (1987):

Recommendations for prevention of HIV transmission in health-care settings.
MMWR; 36:S1-118.

Centers for Disease Control and Prevention (CDC) (1988):

Update: Universal precautions for prevention of transmission of human immunodeficiency virus, hepatitis B virus and other bloodborne pathogens in health-care settings.
MMWR; 37:377-88.

Centers for Disease Control and Prevention (CDC) (1994):

Guidelines for preventing the transmission of *Mycobacterium tuberculosis* in health-care facilities.
MMWR; 43:1.

Centers for Disease Control and Prevention (CDC) (1996):

Prevention of perinatal group B streptococcal disease: a public health perspective.
MMWR Morb Mortal Wkly Rep.; 45(No RR-7):1-24.

Centers for Disease Control and Prevention (CDC) (1997):

Guidelines for Prevention of Nosocomial Pneumonia.
MMWR; 46(RR-1):1-79.

Centers for Disease Control and Prevention (CDC) (2002):

Guidelines for the Prevention of Intravascular Catheter-Related Infections.
MMWR; 51(No. RR-10).

Chapman, R. L. and Faix, R. G. (2003):

Persistent bacteremia and outcome in late onset infection among infants in a neonatal intensive care unit.
Pediatr Infect Dis J; 22(1):17-21.

Chathas, M. K.; Paton, J. B. and Fisher, D. E. (1990):

Percutaneous central venous catheterization. Three years' experience in a neonatal intensive care unit.
Am J Dis Child; 144(11):1246-1250.

Cheesbrough, M. (2000):

Culturing blood. In: *District Laboratory Practice in Tropical Countries*. Part 2. Cambridge University Press. Pp: 124-130.

Chiesa, C.; Panero, A.; Rossi, N.; Stegagno, M.; De-Giusti, M.; Osborn, J. F. and Pacifico, L. (1998):

Reliability of procalcitonin concentrations for the diagnosis of sepsis in critically ill neonates.
Clin Infect Dis; 26:664-72.

Christensen R. D. and Rothstein G. (1980):

Brief clinical laboratory observations: Exhaustion of mature marrow neutrophils in neonates with sepsis.

J Pediatr; 96: 316- 320.

Clark, R.; Powers, R.; White, R.; Bloom, B.; Sanchez, P.; and Benjamin, D. K. Jr (2004):

Prevention and Treatment of Nosocomial Sepsis in the NICU.

Journal of Perinatology; 24:446-453.

Cloney, D. L. and Donowitz, L. G. (1986):

Overgown use for infection control in nurseries and neonatal intensive care units.

Am J Dis Child; 140:680-83.

Cockerill, F. R.; Hughes, J. G.; Vetter, E. A.; Mueller, R. A.; Weaver, A. L.; Ilstrup, D. M.; Rosenblatt, J. E. and Wilson, W. R. (1997):

Analysis of 281,797 consecutive blood cultures performed over an eight-year period: trends in microorganisms isolated and the value of anaerobic culture of blood.

Clin Infect Dis; 24:403-18.

Coignard, B.; Grandbastien, B.; Berrouane, Y.; Kremling, C.; Queverue, M.; Salomez, J. L. and Martin, G. (1998):

Handwashing quality: Impact of a special program.

Infect Control Hosp Epidemiol; 19: 510-513.

Cole, F. S. (1998):

Bacterial infections of the newborn. In: Taeusch, H. V. and Hallard, R. A. (eds.).

Avery's Diseases of the Newborn. 6th ed. Philadelphia: Saunders. Pp: 490-512.

Collee, J. G. and Marr, W. (1996a):

Specimen collection, culture containers and media In: Collee, J. G.; Fraser, A. G.; Marmion, B. P.; et al. (eds.). *Mackie & McCartney Practical Medical Microbiology*. 14th ed. New York: Churchill Livingstone. Pp: 95-111.

Collee, J. G. and Marr, W. (1996b):

Culture of bacteria In: Collee, J. G.; Fraser, A. G.; Marmion, B.P.; et al. (eds.).

Mackie & McCartney Practical Medical Microbiology. 14th ed. New York: Churchill Livingstone. Pp: 113-129.

Collee, J. G.; Miles, R. S. and Watt, B. (1996):

Tests for identification of bacteria. In: Collee, J. G.; Fraser, A. G.; Marmion, B. P.; et al. (eds.). *Mackie & McCartney Practical Medical Microbiology*. 14th ed. New York: Churchill Livingstone. Pp: 131-150.

Collin, J. and Collin, C. (1975):

Infusion thrombophlebitis.

Lancet; 2:458.

Collins, F. M. and Montalbino, V. (1976):

Mycobactericidal activity of glutaraldehyde solutions.
J Clin Microbiol; 4:408-12.

Cordero, L.; Rau, R.; Taylor, D. and Ayers, L. W. (2004):

Enteric gram-negative bacilli bloodstream infections: 17 years' experience in a neonatal intensive care unit.
Am J Infect Control; 32(4):189-195.

Corless, C. E.; Guiver, M.; Borrow, R.; Edwards-Jones, V.; Fox, A. J. and Kaczmarek, E. B. (2001):

Simultaneous detection of *Neisseria meningitidis*, *Haemophilus influenzae*, and *Streptococcus pneumoniae* in suspected cases of meningitis and septicemia using real-time PCR.
J Clin Microbiol; 39:1553–8.

Craven, D. E.; Lichtenberg, D. A.; Goularte, T. A.; Make, B. J. and McCabe, W. R. (1984):

Contaminated medication nebulizers in mechanical ventilation circuits. Source of bacterial aerosols.
Am J Med; 77(5):834-838.

Cross, A. S. and Roup, B. (1981):

Role of respiratory assistance devices in endemic nosocomial pneumonia.
Am J Med; 70(3):681-685.

Dalton, H. P. and Nottebart, H. C. (1986):

Blood specimens. In: *Interpretive Medical Microbiology*. 1st ed.; London: Churchill-Livingstone.

Dandona, P.; Nix, D.; Wilson, M. F.; Aljada, A.; Love, J.; Assicot, M. and Bohuon, C. (1994):

Procalcitonin increase after endotoxin injection in normal subjects.
J Clin Endocrinol Metab; 79:1605–8.

D'Angio, C. T.; McGowan, K. L.; Baumgart, S.; St-Geme, J. and Harris, M. C. (1989):

Surface colonization with coagulase-negative staphylococci in premature neonates.
J Pediatr; 114:1029-1034.

Daschner, F. D. (1985):

Useful and useless hygienic techniques in intensive care units.
Intensive Care Med; 11 :280 –283.

Davies, J. G.; Babb, J. R.; Bradley, C. R. and Ayliffe, G. A. J. (1993):

Preliminary study of test methods to assess the virucidal activity of skin disinfectants using poliovirus and bacteriophages.
J Hosp Infect; 25:125-31.

De, A.; Saraswathi, K.; Gogate, A.; Raghavan, K. (1998):

C-reactive protein and buffy coat smear in early diagnosis of childhood septicemia.
Indian J Pathol Microbiol; 41(1): 23- 26.

Denton, G. W. (1991):

Chlorhexidine [Chapter 16]. In: Block, S. S. (ed). *Disinfection, sterilization and reservation*. 4th ed. Philadelphia, PA: Lea and Febiger.

Dinareello, C. A. (1984):

Interleukin-1 and the pathogenesis of the acute phase response.
N Engl J Med; 311: 1413- 1418.

Dineen, P. and Hildick-Smith, G. (1965):

Antiseptic care of the hands [Chapter 21]. In: Maibach, H. I. and Hildick-Smith, G. (eds.). *Skin bacteria and their role in infection*. New York: McGraw-Hill.

Doebbeling, B. N.; Pfaller, M. A.; Houston, A. K. and Wenzel, R. P. (1988):

Removal of nosocomial pathogens from the contaminated glove: implications for glove reuse and handwashing.
Ann Intern Med; 109:394-98.

Døllner, H.; Vatten, L. and Austgulen, R. (2001a):

Early diagnostic markers for neonatal sepsis Comparing C-reactive protein, interleukin-6, soluble tumour necrosis factor receptors and soluble adhesion molecules.
J Clin Epidemiol; 54:1251–7.

Døllner, H.; Vatten, L.; Linnebo, I.; Zanussi, G. F.; Laerdal, A. and Austgulen, R. (2001b):

Inflammatory mediators in umbilical plasma from neonates who develop early-onset sepsis.
Biol Neonate; 80:41–7.

Donato, H.; Gebara, E.; De-Cosen, R. N. and Gioseffio, V. (1979):

Leukocyte alkaline phosphatase activity in the diagnosis of neonatal bacterial infections.
J Pediatr; 94 (2): 242- 244.

Donowitz, L.G. (1986):

Failure of the overgown to prevent nosocomial infection in a pediatric intensive care unit.
Pediatrics; 77:35-38.

Doron, M. W.; Makhlouf, R. A.; Katz, V. L.; Lawson, E. E. and Stiles, A. D. (1994):

Increased incidence of sepsis at birth in neutropenic infants of mothers with pre-eclampsia.
J Pediatr; 125:452-458.

Dubbert, P. M.; Dolce, J.; Richter, W.; Miller, M. and Chapman, S. W. (1990):

Increasing ICU staff hand washing: effects of education and group feedback.
Infect Control Hosp Epidemiol; 11 :191 –193.

Dychdala, G. R. (1991):

Chlorine and chlorine compounds. In: Block, S. S. (ed.). *Disinfection, sterilization and preservation*. 4th ed. Philadelphia: Lea & Febiger. Pp:131-51.

Eggimann, P. and Pittet, D.(2001):

Infection Control in the ICU.
Chest; 120:2059-2093.

Ehrenberg, H. M. and Mercer, B. M. (2001):

Antibiotics and the management of preterm premature rupture of the fetal membranes.
Clin Perinatol; 28(4): 807-818.

Ehrenkranz, N. J. and Alfonso, B. C. (1991):

Failure of bland soap handwash to prevent hand transfer of patient bacteria to urethral catheters.
Infect Control Hosp Epidemiol; 12:654-62.

Eisenach, K. D.; Reber, R. M.; Eitzman, D. V. and Baer, H. (1972):

Nosocomial infections due to kanamycin-resistant, (R)-factor carrying enteric organisms in an intensive care nursery.
Pediatrics; 50:395-402.

El-Fiky, O. A.; El-Mahdy, M. H.; Shebl, A.; Abdel-Maksoud, Y. H. and Abdel-Rahman, S. (2003):

Epidemiological study of nosocomial infection of neonates admitted to Benha university neonatal intensive care unite.
Benha M J; 20:539-556.

El-Maraghy, S.; El-Badawy, A. and Samra, N. (1991):

Screening early septicemia in high-risk neonates.
J Arab Child; 7 (3): 145 - 154.

El-Maraghy, S.; El-Saifi, A. and Abu-Alam, M. (1994):

Renal dysfunction in septicemic neonates.
J Arab Child; 8(1): 95-105.

El-Sadik, A. M. (2005):

Comparative study between conventional blood culture method versus polymerase chain reaction assay for diagnosis of neonatal septicemia. M. Sc. Thesis in microbiology & immunology, Zagazig university.

El-Sayed, H. A. (2002):

Study of some diagnostic methods for early detection of neonatal sepsis. MD Thesis (Clinical and Chemical Pathology). Zagazig Faculty of Medicine, Zagazig University.

Eng, J. (1975):

Effect of sodium polyanetholsulfonate in blood cultures.
J Clin Microbiol; 1:119-123.

Engle, W. D.; Rosenfeld, C. R.; Mouzinho, A.; Risser, R. C.; Zeray, F. and Sanchez, P. J. (1997):

Circulating neutrophils in septic preterm neonates: comparison of two reference ranges.
Pediatrics; 99(3).

Etzioni, A.; Meshulam, T.; Zeltzer, M.; Benderly, A.; Merzbach, D. and Sujov, P. (1987):

Intralipid effects on preterm neonate serum: chemoattractant and opsonizing capacities.
J Pediatr Gastroenterol Nutr; 6:105-108.

Eyer, S.; Brummitt, C.; Crossley, K.; Siegel, R. and Cerra, F. (1990):

Catheter-related sepsis: prospective, randomized study of three methods of long-term catheter maintenance.
Crit Care Med; 18:1073—9.

Faoagali, J. L.; George, N.; Fong, J.; Davy, J. and Dowser, M. (1999):

Comparison of the antibacterial efficacy of 4% chlorhexidine gluconate and 1% triclosan handwash products in an acute clinical ward.
Am J Infect Control; 27:320-6.

Farber, B. F.; Kaplan, M. H. and Clogston, A. G. (1990):

Staphylococcus epidermidis extracted slime inhibits the antimicrobial action of glycopeptide antibiotics.
J Infect Dis; 161:37—40.

Farmer, J. J. (1999):

Enterobacteriaceae: Introduction and Identification. In: Patrick, R. M.; Boron, E. J.; Pfaller, M. A.; et al. (eds.). *Manual of Clinical Microbiology*. 7th ed. American Society for Microbiology. Pp: 442-446.

Favero, M. S. (1983):

Chemical disinfection of medical and surgical materials. In: Block S. S. (ed.). *Disinfection, sterilization and preservation*. 3rd ed. Philadelphia: Lea and Febiger. Pp:469-92.

Favero, M. S. and Bond, W. W. (1991):

Chemical disinfection of medical and surgical materials. In: Block, S. S. (ed.). *Disinfection, sterilization and preservation*. 4th ed. Philadelphia: Lea and Febiger. Pp:617-41.

Field, M. J. and Lohr, K. N. (1990):

Clinical Practice Guidelines: Directions for a New Program. Washington: National Academies Press.

Fjaertoft, G.; Hakansson, L.; Ewald, U.; Foucard, T. and Venge, P. (1999):

Neutrophils from term and preterm newborn infants express the high affinity Fc[gamma]-receptor I (CD64) during bacterial infection. *Pediatr Res*; 45:871–6.

Fleisch, F.; Zimmermann-Baer, U.; Zbinden, R.; Bischoff, G.; Arlettaz, R.; Waldvogel, K.; Nadal, D. and Ruef, C. (2002):

Three Consecutive Outbreaks of *Serratia marcescens* in a Neonatal Intensive Care Unit. *Clinical Infectious Diseases*; 34:767-773.

Foca, M.; Jakob, K.; Whittier, S.; Della, L. P.; Factor, S.; Rubenstein, D. and Saiman, L. (2000):

Endemic *Pseudomonas aeruginosa* infection in a neonatal intensive care unit. *N Engl J Med*; 343(10):695-700.

Forbes, B. A.; Sahm, D. F. and Weissfeld, J. R. (1998a):

Blood stream infection. In: Belly, A. and Forbes, B. A. (eds.). *Baily and Scott's Diagnostic Microbiology*. 10th ed. New York: Mosby. Pp: 194-209.

Forbes, B. A.; Sahm, D. F. and Weissfeld, J. R. (1998b):

Overview of bacterial identification, methods and strategies. In: Belly, A. and Forbes, B. A. (eds.). *Baily and Scott's Diagnostic Microbiology*. 10th ed. New York: Mosby. Pp: 427-442.

Franz, A. R.; Steinbach, G.; Kron, M. and Pohlandt, F. (1999):

Reduction of unnecessary antibiotic therapy in newborn infants using interleukin-8 and C-reactive protein as markers of bacterial infections. *Pediatrics*; 104:447–53.

Franz, A. R.; Steinbach, G.; Kron, M. and Pohlandt, F. (2001):

Interleukin-8: a valuable tool to restrict antibiotic therapy in newborn infants. *Acta Paediatr*; 90:1025–32.

Fraser, V. J.; Jones, M.; Murray, P. R.; Medoff, G.; Zhang, Y. and Wallace, R. J. Jr. (1992):

Contamination of flexible fiberoptic bronchoscopes with *Mycobacterium chelonae* linked to an automated bronchoscope disinfection machine. *Am Rev Respir Dis*; 145:853-855.

Freedman, R. M.; Ingram, D. L.; Gross, I.; Ehrenkranz, R. A.; Warshaw, J. B. and Baltimore, R. S. (1981):

A half century on neonatal sepsis at Yale.
Am J Dis Child; 135:140-144.

Freeman, J.; Goldmann, D. A.; Smith, N. E.; Sidebottom, D. G.; Epstein, M. F. and Platt, R. (1990):

Association of intravenous lipid emulsion and coagulase-negative staphylococcal bacteremia in neonatal intensive care units.
N Engl J Med; 323:301-308.

French, G. L.; Shannon, K. P. and Simmons, J. (1996):

Hospital outbreak of *Klebsiella pneumoniae* resistant to broad-spectrum cephalosporins and beta-lactam-beta-lactamase inhibitor combinations by hyperproduction of SHV-5 beta-lactamase.
J Clin Microbiol; 34:358-363.

Fridkin, S. K.; Pear, S. M.; Williamson, T. H.; Galgiani, J. N. and Jarvis, W. R. (1996):

The role of understaffing in central venous catheter-associated bloodstream infections.
Infect Control Hosp Epidemiol; 17:150-8.

Friedman, N. D. and Sexton, D. J. (2001):

General principles of infection control. In: Rose, B. D. (Ed.). *UpToDate*. Wellesley, MA: UpToDate.

Garland, J. S.; Dunne, W. M. Jr.; Havens, P.; Hintermeyer, M.; Bozzette, M. A.; Wincek, J.; Bromberger, T. and Seavers, M. (1992):

Peripheral intravenous catheter complications in critically ill children: a prospective study.
Pediatrics; 89:1145—50.

Garland, J. S.; Henrickson, K. and Maki, D. G. (2002):

The 2002 Hospital Infection Control Practices Advisory Committee Centers for Disease Control and Prevention guideline for prevention of intravascular device-related infection.
Pediatrics; 110(5):1009-1013.

Garner, J. S. (1996):

Hospital infection control practices advisory committee (HICPAC). Guidelines for isolation precautions.
Am J Infect Control; 24:24-52.

Garner, J. S. and Hughes, J. M. (1987):

Options for isolation precautions.
Ann Intern Med; 107:248-50.

Garner, J. S. and Simmons, B. P. (1983):

Guideline for isolation precautions in hospitals.
Infect Control; 4(suppl 4):245-325.

Gaynes, R. (1995):

Antibiotic resistance in ICUs: a multifaceted problem requiring a multifaceted solution.
Infect Control Hosp Epidemiol; 16: 328-330.

Gaynes, R. P.; Edwards, J. R.; Jarvis, W. R.; Culver, D. H.; Tolson, J. S. and Martone, W. J. (1996):

Nosocomial infections among neonates in high-risk nurseries in the United States.
Pediatrics; 98:357-61.

Gendrel, D.; Assicot, M.; Raymond, J.; Moulin, F.; Francoual, C.; Badoual, J. and Bohuon, C. (1996):

Procalcitonin as a marker for the early diagnosis of neonatal infection.
J Pediatr; 128:570-3.

Gerards L. J.; Cats B. P. and Hoogkamp-Korstanje J. A. (1985):

Early neonatal group B streptococcal disease: degree of colonisation as an important determinant.
J Infect; 11:119-124.

Gerding, D. N.; Larson, T. A.; Hughes, R. A.; Weiler, M.; Shanholtzer, C. and Peterson, L. R. (1991):

Aminoglycoside resistance and aminoglycoside usage: Ten years of experience in one hospital.
Antimicrob Agents Chemother; 35:1284-1290.

Gergis, M. N. M. (2001):

Detection of different bacteriological species responsible for early-onset neonatal sepsis. M. Sc. Thesis in pediatrics, Cairo university.

Giannacopoulou, C.; Hatzidaki, E.; Kokori, H.; Giannacopoulos, K.; Margari, K. M.; Manoura, A. and Sbirakis, S. (2000):

Evaluation of the micro-erythrocyte sedimentation rate in relation to hemoglobin and hematocrit in newborn infections.
Haematologia (Budap); 30(3): 215- 220.

Girou, E.; Loyeau, S.; Legrand, P.; Oppen, F. and Brun-Buisson, C. (2002):

Efficacy of handrubbing with alcohol based solution versus standard handwashing with antiseptic soap: randomised clinical trial.
BMJ; 325(7360): 362.

Goldmann, D. A. (1991):

The role of barrier precautions in infection control.
J Hosp Infect; 18(A):515-23.

- Goldmann, D. A.; Durbin, W. A. and Freeman, J. (1981):**
Nosocomial infections in a neonatal intensive care unit.
J Infect Dis; 144: 449-459.
- Goldmann, D. A.; Freeman, J. and Durbin, W. A. Jr. (1983):**
Nosocomial infection and death in a neonatal intensive care unit.
J Infect Dis; 147 :635 –641.
- Gotoff, S. P. (2000):**
The fetus and the newborn. In: Behrman, R. E., Kliegman, R. M. and Jenson, H. B. (eds.). *Nelson Text Book of Pediatrics*. 16th ed. Philadelphia: W.B. Saunders. Pp: 425-428.
- Gotoff, S. P.; Papierniak, C. K.; Klegerman, M. E. and Boyer, K. M. (1984):**
Quantitation of IgG antibody to the type-specific polysaccharide of group B streptococcus type 1b in pregnant women and infected infants.
J Pediatr; 105:628-630.
- Gottardi, W. (1991):**
Iodine and iodine compounds [Chapter 8]. In: Block, S. S. (ed.). *Disinfection, sterilization and preservation*. 4th ed. Philadelphia, PA: Lea & Febiger.
- Gotz, F. (2002):**
Staphylococcus and biofilms.
Mol Microbiol; 43:1367-1378.
- Gould, D. (1994):**
Nurses' hand decontamination practice: results of a local study.
J Hosp Infect; 28: 15–30.
- Graham, J. M.; Taylor, J. and Davies, P. A. (1976):**
Some aspects of bacterial colonization in ill low birth weight and normal newborns. In: Stern, L. (ed.). *Intensive care of the newborn*. New York: Masson publishing USA. Pp: 59 – 72 .
- Grant, P.; Chng, C. and Sanchez, P. (1997):**
Relationship to skin puncture: attempts for IV placement to primary bacteremia in a NICU. Abstract presentation.
APIC 24th Annual Conference; New Orleans, LA.
- Gray, E. D.; Peters, G.; Verstegen, M. and Regelman, W. E. (1984):**
Effect of extracellular slime substance from *Staphylococcus epidermidis* on the human cellular immune response.
Lancet; 1:365—7.
- Gray, J. E.; Richardson, D. K.; McCormick, M. C. and Goldmann, D. A. (1995):**
Coagulase-negative staphylococcal bacteremia among very low birth weight infants: relation to admission illness severity, resource use, and outcome.
Pediatrics; 95(2):225–230.

- Grohskopf, L. A.; Roth, V. R.; Feikin, D. R.; Arduino, M. J.; Carson, L. A.; Tokars, J. I.; Holt, S. C.; Jensen, B. J.; Hoffman, R. E. and Jarvis, W. R. (2001):**
Serratia liquefaciens Bloodstream Infections from Contamination of Epoetin Alfa at a Hemodialysis Center.
N Engl J Med; 344(20):1491-1497.
- Grundmann, H.; Kropec, A.; Hartung, D.; Berner, R. and Daschner, F. (1993):**
Pseudomonas aeruginosa in a neonatal intensive care unit: reservoirs and ecology of the nosocomial pathogen.
J Infect Dis; 168:943-947.
- Gruson, D.; Hibert, G.; Vargas, F.; Valentino, R.; Bebear, C.; Allery, A.; Gbikpi-Benissan, G. and Cardinaud, J. P. (2000):**
 Rotation and restricted use of antibiotics in a medical intensive care unit: impact on the incidence of ventilator-associated pneumonia caused by antibiotic-resistant gram-negative bacteria.
Am J Respir Crit Care Med ; 162:837-843.
- Guida, J. D.; Kunig, A. M.; Leef, K. H.; McKenzie, S. E.; and Paul, D. A. (2003):**
 Platelet Count and Sepsis in Very Low Birth Weight Neonates: Is There an Organism-Specific Response.
Pediatrics ; 111(6):1411-1415.
- Guyatt, G.; Cook, D. and Haynes, B. (2004):**
 Evidence based medicine has come a long way.
BMJ; 329; 990-1.
- Gyurov, E.; Milanov, S.; Georgieva, M. and Milanov, M. (2005):**
 De-escalation therapy: 1-year experience in a general intensive care unit.
Critical Care; 9(1):24.
- Haley, R. W.; Culver, D. H.; White, J. W.; Morgan, W. M.; Emori, T. G.; Munn, V. P. and Hooton, T. M. (1985):**
 The efficacy of infection surveillance and control programs in preventing nosocomial infections in US hospitals.
Amer J Epidemiol; 121(2):182-205.
- Hall, S. L.; Hall, R. T.; Barnes, W. G. and Riddell, S. (1988):**
 Colonization with slime- positive coagulase-negative staphylococci as a risk factor for invasive coagulase-negative staphylococci infections in neonates.
J Perinatol; 8:215-221.
- Haque, K. N. and Chagla, A.H. (1989):**
 Do gowns prevent infection in neonatal intensive care units?
J Hosp Infect; 14:159-62.

- Harbath, S.; Pittet, D.; Grady, L. and Goldmann, D. A. (2001):**
Compliance with hand hygiene practice in pediatric intensive care.
Pediatr Crit Care Med; 2 :311 –314.
- Harbath, S.; Sudre, P.; Dharan, S.; Cadenas, M. and Pittet, D. (1999):**
Outbreak of *Enterobacter cloacae* related to understaffing, overcrowding, and poor hygiene practices.
Infect Control Hosp Epidemiol; 20:598-603.
- Harpin, V. A. and Rutter, N. (1985):**
Humidification of incubators.
Arch Dis Child; 60:219-224.
- Hartstein A. I.; Denny, M. A.; Morthland, V. H.; LeMonte, A. M. and Pfaller, M. A. (1995):**
Control of methicillin-resistant *Staphylococcus aureus* in a hospital and an intensive care unit.
Infect Control Hosp Epidemiol; 16:405-11.
- Hartstein, A. I.; Lemonte, A. M. and Iwamoto, P. K. L. (1997):**
DNA typing and control of methicillin-resistant *Staphylococcus aureus* at two affiliated hospitals.
Infect Control Hosp Epidemiol; 18:42-48.
- Hayes, R. A.; Trick, W. E.; Vernon, M. O.; Nathan, C.; Peterson, B. J.; Segreti, J.; Pur, S. L.; Schmitt, B. A.; Rice, T. W.; Welbel, S. F. and Weinstein, R. A. (2001):**
Ring use as a risk factor (RF) for hand colonization in a surgical intensive care unit (SICU) [Abstract K-1333]. In: Program and abstracts of the 41st Interscience Conference on Antimicrobial Agents and Chemotherapy. Washington, DC: American Society for Microbiology, 2001.
- Hayward, A. R. (1983):**
Immunity In: Boyd and Bottagia, F.C. (eds.). *Perinatal Medicine*. N. Y.: Butterworth. Pp. 286-302.
- Heard, S.O.; Wagle, M.; Vijayakumar, E.; McLean, S.; Brueggemann, A.; Napolitano, L. M.; Edwards, L. P.; O'Connell, F. M.; Puyana, J. C. and Doern, G. V. (1998):**
Influence of triple-lumen central venous catheters coated with chlorhexidine and silver sulfadiazine on the incidence of catheter-related bacteremia.
Arch Intern Med; 158:81-7.
- Herrmann, M.; Lai, Q. J.; Albrecht, R. M.; Mosher, D. F. and Proctor, R. A. (1993):**
Adhesion of *Staphylococcus aureus* to surface-bound platelets: role of fibrinogen/fibrin and platelet integrins.
J Infect Dis; 167:312—22.

- Herrmann, M.; Suchard, S. J.; Boxer, L. A.; Waldvogel, F. A. and Lew, P. D. (1991):**
Thrombospondin binds to *Staphylococcus aureus* and promotes staphylococcal adherence to surfaces.
Infect Immun; 59:279—88.
- Hillier, S. L.; Nugent, R. P.; Eschenbach, D. A.; Krohn, M.A.; Gibbs, R. S.; Martin, D. H.; Cotch, M. F.; Edelman, R.; Pastorek, J. G. and Rao, A. V. (1995):**
Association between bacterial vaginosis and preterm delivery of a low birth weight infant.
N Engl J Med; 333 : 1737- 1741.
- Hoffman, P. N.; Cooke, E. M.; McCarville, M. R. and Emmerson, A. M. (1985):**
Microorganisms isolated from skin under wedding rings worn by hospital staff.
Br Med J; 290:206-7.
- Hoffmann, K. K.; Weber, D. J.; Samsa, G. P. and Rutala, W. A. (1992):**
Transparent polyurethane film as an intravenous catheter dressing: a meta-analysis of the infection risks.
JAMA; 267:2072—6.
- Horbar, J. D.; Rogowski, J.; Plsek, P. E.; Delmore, P.; Edwards, W. H.; Hocker, J.; Kantak, A. D.; Lewallen, P.; Lewis, W.; Lewit, E.; McCarroll, C. J.; Mjusc, D.; Payne, N. R.; Shiono, P.; Soll, R. F.; Leahy, K. and Carpenter, J. H. (2001):**
Collaborative Quality Improvement for Neonatal Intensive Care.
Pediatrics; 107: 14 - 22.
- Huang, Y. C.; Li, C. C.; Lin, T. Y.; Lien, R. I.; Chou, Y. H.; Wu, J. L. and Hsueh, C. (1998):**
Association of fungal colonization and invasive disease in very low birth weight infants.
Pediatr Infect Dis J; 17:819-822.
- Hummei, R. P.; Oestreicher, E. J.; Maley, M. P. and MacMillan, B. G. (1973):**
Inhibition of *Candida albicans* by *Escherichia coli* in vitro and in the germfree mouse.
J Surg Res; 15:53-58.
- Ibrahim, E. H.; Ward, S.; Sherman, G.; Schaiff, R.; Fraser, V. J. and Kollef, M. H. (2001):**
Experience with a clinical guideline for the treatment of ventilator-associated pneumonia.
Crit Care Med ; 29:1109-1115.
- Inweregbu, K. (2005):**
Nosocomial infections.
Continuing Education in Anaesthesia, Critical Care & Pain; 5(1):14-17.

Isaacman D. J. and Karasic R. B. (1990a):

Lack of effect of changing needles on contamination of blood cultures.
Pediatr Infect Dis J; 9:274-8.

Isaacman D. J. and Karasic, R. B. (1990b):

Utility of collecting blood cultures through newly inserted intravenous catheters.
Pediatr Infect Dis J; 9:815-18.

Isaacs, D.; Catterson, J.; Hope, P. L.; Moxon, E. R. and Wilkinson, A. R. (1988):

Factors influencing colonisation with gentamicin resistant Gram negative organisms in the neonatal unit.
Arch Dis Child; 63: 533-535.

Isaacs, D. and Moxon, E. R. (1991):

Neonatal Infections. Oxford:Butterworth-Heinemann Ltd.

Jackson, M. and Lynch, P. (1985):

Isolation practices: a historical perspective.
Am J Infect; 13:21-31.

Jackson, M. M. and Lynch, P. (1991):

An attempt to make an issue less murky: a comparison of four systems for infection precautions.
Infect Control Hosp Epidemiol; 12:448-50.

Jacobs, P. T.; Wang, J. H.; Gorhan, R. A. and Roberts, C. G. (1998):

Cleaning: principles, methods and benefits. In: Rutala, W. A. (ed.). *Disinfection, sterilization and antisepsis in health care*. Washington, D.C.: Association for Professionals in Infection Control and Epidemiology, Inc. and Polyscience Publications, Inc., Pp :165-81.

Jacobson, G.; Thiele, J. E.; McCune, J. H. and Farrell, L. D. (1985):

Handwashing: ring wearing and number of microorganisms.
Nurs Res; 34:186-8.

Jain, A.; Roy, I.; Gupta, M. K.; Kumar, M. and Agarwal, S. K. (2003):

Prevalence of extended-spectrum beta-lactamase-producing Gram-negative bacteria in septicemic neonates in a tertiary care hospital.
J Med Microbiol; 52: 421-425.

Jansen, B.; Jansen, S.; Peters, G. and Pulverer, G. (1992a):

In-vitro efficacy of a central venous catheter ('Hydrocath') loaded with teicoplanin to prevent bacterial colonization.
J Hosp Infect; 22(2):93-107.

Jansen, B.; Kristinsson, K. G.; Jansen, S.; Peters, G. and Pulverer, G. (1992b):

In-vitro efficacy of a central venous catheter complexed with iodine to prevent bacterial colonization.

J Antimicrob Chemother; 30(2):135-139.

Jarvis, W. R. (1994):

Handwashing--the Semmelweis lesson forgotten?
Lancet; 344:1311-2.

Johnson-Robbins, L. A.; el-Mohandes A. E.; Simmens, S. J. and Keiser, J. F. (1996):

Staphylococcus epidermidis sepsis in the intensive care nursery: a characterization of risk associations in infants <1,000 g.
Biol. Neonate; 69:249-256.

Jones, R. D.; Jampani, H. B.; Newman, J. L. and Lee, A. S. (2000):

Triclosan: a review of effectiveness and safety in health care settings.
Am J Infect Control; 28:184-96.

Jordan, J. A. and Durso, M. B. (2000):

Comparison of 16S rRNA Gene PCR and BACTEC 9240 for Detection of Neonatal Bacteremia.
J Clin Microbiol; 38(7):2574-2578.

Josephson, A.; Gombert, M. E.; Sierra, M. F.; Karanfil, L. V. and Tansino, G. F. (1985):

The relationship between intravenous fluid contamination and the frequency of tubing replacement.
Infect Control; 6:367-70.

Joshi, S. G.; Ghole, V. S. and Niphadkar, K. B. (2000):

Neonatal gram-negative bacteremia.
Indian Pediatr; 67:27-32.

Kaapa, P. and Koistinen, E. (1993):

Maternal and neonatal C-reactive protein after interventions during delivery.
Acta Obstet Gynecol Scand; 12(1): 543- 546.

Kamal, G. D.; Pfaller, M. A.; Rempe, L. E. and Jebson, P. J. (1991):

Reduced intravascular catheter infection by antibiotic bonding. A prospective, randomized, controlled trial.
JAMA; 265(18):2364-2368.

Kampf, G.; Höfer M. and Wendt, C. (1999):

Efficacy of hand disinfectants against vancomycin-resistant enterococci in vitro.
J Hosp Infect; 42:143-50.

Kampf, G. and Kramer, A. (2004):

Epidemiologic background of hand hygiene and evaluation of the most important agents for scrubs and rubs.
Clin Microbiol Rev; 17:863-893.

Kamran, S.; Usmani, S. S.; Wapnir, R. A.; Mehta, R. and Harper, R. G. (1993):

In vitro effect of indomethacin on polymorphonuclear leukocyte function in preterm infants.

Pediatr Res; 33:32-35.

Kaplan, L. M. and McGuckin, M. (1986):

Increasing handwashing compliance with more accessible sinks.

Infect Control; 7:408-10.

Karam, N. A. (2002):

Study of intercellular adhesion molecule-1 (ICAM-1) and E-selectin in neonatal infection. M.D. thesis in pediatrics. Zagazig university.

Karam, G. H. and Heffner J. E. (2000):

Emerging Issues in Antibiotic Resistance in Blood-borne Infections.

Am J Respir Crit Care Med; 162:1610-1616.

Karlowicz, M. G., Buescher, E. S. and Surka, A. E. (2000):

Fulminant late-onset sepsis in a neonatal intensive care unit, 1988-1997, and the impact of avoiding empiric vancomycin therapy.

Pediatrics; 106:1387-1390.

Kaufman, D. and Fairchild, K. D. (2004):

Clinical Microbiology of Bacterial and Fungal Sepsis in Very-Low-Birth-Weight Infants.

Clin Microbiol Rev; 17; 638–680.

Kawagoe, J. Y.; Segre, C. A. M.; Pereira, C. R.; Cardoso, M. F. S.; Silva, C. V. and Fukushima, J. T. (2001):

Risk factors for nosocomial infections in critically ill newborns: A 5-year prospective cohort study.

Am J Infect Control; 29(2): 109-114.

Kellogg, J. A.; Ferrentino, F. L.; Goodstein, M. H.; Liss, J.; Shapiro, S. L. and Bankert, D. A. (1997):

Frequency of low level bacteremia in infants from birth to two months of age.

Pediatr Infect Dis J; 16:381-385.

Kennaugh, J. K.; Gregory, W. W.; Powell, K. R. and Hendley, J. O. (1984):

The effect of dilution during culture on detection of low concentrations of bacteria in blood.

Pediatr Infect Dis; 3:317–18.

Kennedy, K. A.; Tyson, J. E. and Chamnanvanikij, S. (2000):

Early versus delayed initiation of progressive enteral feedings for parenterally fed low birth weight or preterm infants.

Cochrane Database Syst Rev; (2):CD001970.

- Kilbride, H. W.; Powers, R.; Wirtschafter, D. D.; Sheehan, M. B.; Charsha, D. S.; LaCorte, M.; Finer, N. and Goldmann, D. A. (2003):**
Evaluation and Development of Potentially Better Practices to Prevent Neonatal Nosocomial Bacteremia.
Pediatrics; 111:504-518.
- Kite, P.; Miller, M. R. and Gorthan, P. (1989):**
Comparison of five tests used in the diagnosis of neonatal bacteremia.
Arch Dis Child; 69: 639-645.
- Kjrlen, H. and Andersen, B. M. (1992):**
Handwashing and disinfection of heavily contaminated hands—effective or ineffective?
J Hosp Infect; 21:61-71.
- Kleiman, M. B.; Reynolds, J. K. and Schreiner, R. L. (1984):**
Rapid diagnosis of neonatal bacteremia with acridine orange stained buffy coat smears.
J Pediatr; 105:419-421.
- Klein, B. S.; Perloff, W. H. and Maki D. G. (1989):**
Reduction of nosocomial infection during pediatric intensive care by protective isolation.
N Engl J Med; 320:1714-21.
- Klein, J. O. and Remington, J. S. (2001):**
Current concepts of infection of the fetus and newborn infants. In: Remington J. S. and Klein J. O. (eds.). *Infectious Diseases of the Fetus and Newborn Infants*. 5th ed. Philadelphia:W.B. Saunders. Pp: 1-23.
- Kohelet, D.; Peller, S.; Arbel, E. and Goldberg, M. (1990):**
Preincubation with intravenous lipid emulsion reduces chemotactic motility of neutrophils in cord blood.
J Parenter Enteral Nutr; 14:472-473.
- Kollef, M. H. (2001):**
Optimizing antibiotic therapy in the intensive care unit setting.
Critical Care; 5:189-195.
- Kollef, M. H. and Ward, S. (1998):**
The influence of mini-BAL cultures on patient outcomes: implications for the antibiotic management of ventilator-associated pneumonia.
Chest; 113:412-420.
- Kollef, M. H.; Ward, S.; Sherman, G.; Prentice, D.; Schaiff, R.; Huey, W. and Fraser, V. J. (2000):**
Inadequate treatment of nosocomial infections is associated with certain empiric antibiotic choices.

Crit Care Med; 28: 3456–64.

Kretzer, E. K. and Larson, E. L. (1998):

Behavioral interventions to improve infection control practices.
Am J Infect Control; 26:245-53.

Krillov, L. R. and Harkness, S. H. (1993):

Inactivation of respiratory syncytial virus by detergents and disinfectants.
Pediatr Infect Dis; 12:582-4.

Krugmans and Katz, S. L. (1981):

Sepsis in the newborn. Infectious Diseases of children. 7th ed., St. Louis: Mosby.

Kumar, A. and Nankervis, G. A. (1980):

Latex agglutination test and countercurrent immunoelectrophoresis for detection of group B streptococcal antigen.
J Pediatr; 97:328-329.

Küster, H.; Weiss, M.; Willeitner, A. E.; Detlefsen, S.; Jeremias, I.; Zbojan, J.; Geiger, R.; Lipowsky, G. and Simbruner, G. (1998):

Interleukin-1 receptor antagonist and interleukin-6 for early diagnosis of neonatal sepsis 2 days before clinical manifestation.
Lancet; 352:1271–7.

Laboratory Centre for Disease Control (LCDC) (1998):

Infection control guidelines: Hand Washing, Cleaning, Disinfection and Sterilization in Health Care. LCDC. *Health Canada*. 25S8: 1-35.

Laboratory Centre for Disease Control (LCDC) (1999):

Infection control guidelines: Routine Practices and Additional Precautions for Preventing the Transmission of Infection in Health Care.
LCDC. Health Canada.

Lai, K. K. (1998):

Safety of prolonging peripheral cannula and i.v. tubing use from 72 hours to 96 hours.
Am J Infect Control; 26:66—70.

Lam, B. C. C.; Lee, J. and Lau, Y. L.(2004):

Hand Hygiene Practices in a Neonatal Intensive Care Unit: a Multimodal Intervention And Impact on Nosocomial Infection.
Pediatrics; 114:e565-e571.

Lam, B.; Leung, M. M. P.; Chan, H. B.; Chan, P.; Chow, C. B.; Kwong, N. S.; Law, C. W.; Lee, W. H.; Lyon, D. J.; Ng, P. C.; Seto, W. H.; Tsoi, N. S. and Yuen, R. (2001):

Infection Control in the NICU: Recommended Standards by Study Group for the Control of Infection in NICUs.

www.nnsoc-hk.org/Icstd.pdf

Larson E. (1985):

Handwashing and skin physiologic and bacteriologic aspects.
Infect Control; 6:14-23.

Larson, E. (1988):

Guideline for use of topical antimicrobial agents.
Am J Infect Control; 16:253-66.

Larson, E. L. (1995):

APIC Guidelines Committee. APIC guideline for handwashing and hand antisepsis in health care settings.
Am J Infect Control; 23:251-69.

Larson, E. L.; Butz, A. M.; Gullette, D. L. and Laughon, B. A. (1990):

Alcohol for surgical scrubbing?
Infect Control Hosp Epidemiol; 11:139-43.

Larson, E. and Kretzer, E. K. (1995):

Compliance with handwashing and barrier precautions.
J Hosp Infect; 30:88-106.

Larson, E.; Leyden, J. J.; McGinley, K. J.; Grove, G. L. and Talbot, G. H. (1986):

Physiologic and microbiologic changes in skin related to frequent handwashing.
Infect Control; 7:59-63

Larson, E.; McGeer, A.; Quraishi, Z. A.; Krenzischek, D.; Parsons, B. J.; Holdford, J. and Hierholzer, W. J. (1991):

Effects of an automated sink on handwashing practices and attitudes in high-risk units.
Infect Control Hosp Epidemiol; 12:422-8.

Larson, E. L. and Morton, H. E. (1991):

Alcohols [Chapter 11]. In: Block S. S. (ed.). *Disinfection, sterilization and preservation*. 4th ed. Philadelphia, PA: Lea and Febiger. Pp:642-54.

Larson, E. and Talbot, G. H. (1986):

An approach for selection of health care personnel handwashing agents.
Infect Control; 7:419-24.

Lauderdale, T. L.; Kimberle, C. C. and Murray, P. R. (1999):

Reagents, stains and media. In: *Manual of Clinical Microbiology*. Patrick, R. M.; Boron, E. J.; Pfaller, M. A.; et al. (eds.). 7th ed. American Society for Microbiology. Pp: 1663-1707.

Leclair, J. M.; Freeman, J.; Sullivan, B. F.; Crowley, C. M. and Goldmann, D. A. (1987):

Prevention of nosocomial respiratory syncytial virus infections through compliance with glove and gown isolation precautions.
N Engl J Med; 317:329-34.

Lehr, H. A.; Krombach, F.; Munzing, S.; Bodlaj, R.; Glaubitt, S. I.; Seiffge, D.; Hubner, C.; von-Andrian, U. H. and Messmer, K. (1995):

In vitro effect of oxidized low density lipoprotein on CD11b/CD18 and L-selectin presentation on neutrophils and monocytes with relevance for the *in vivo* situation.
Am J Pathol; 146:218-27.

Leyden, J. J.; McGinley, K. J.; Kaminer, M. S.; Bakel, J.; Nishijima, S.; Grove, M. J. and Grove, G. L. (1991):

Computerized image analysis of full-hand touch plates: a method for quantification of surface bacteria on hands and the effect of antimicrobial agents.
J Hosp Infect; 18(supplB):13-22

Lin, F. Y.; Weisman, L. E.; Troendle, J. and Adams, K. (2003):

Prematurity is the major risk factor for late-onset group B streptococcus disease.
J Infect Dis; 188:267-271.

Linares, J.; Sitges-Serra, A.; Garau, J.; Perez, J. L. and Martin, R. (1985):

Pathogenesis of catheter sepsis: a prospective study with quantitative and semiquantitative cultures of catheter hub and segments.
J Clin Microbiol; 21:357-60.

Linhart, Y.; Bashiri, A.; Maymon, E.; Shoham-Vardi, I.; Furman, B.; Vardi, H. and Mazar, M. (2000):

Congenital anomalies are an independent risk factor for neonatal morbidity and perinatal mortality in preterm birth.
Eur J Obstet Gynecol Reprod Biol; 90(1): 43- 49.

Lopez S. J. B.; Coto, C. D. and Fernandez, C. B. (2002):

Neonatal sepsis of nosocomial origin: an epidemiological study from the "Grupo de Hospitales Castrillo".
J Perinat Med; 30(2):149-157.

Lott, J. W. (2003):

Neonatal bacterial sepsis.
Crit Care Nurs Clin North Am; 15(1): 35-46.

Lowbury, E. J. L.; Lilly, H. A. and Ayliffe, G. A. J. (1974):

Preoperative disinfection of surgeons' hands: use of alcoholic solutions and effects of gloves on skin flora.
Br Med J; 4:369-72.

Ludwicka, A.; Uhlenbruck, G.; Peters, G.; Seng, P. N.; Gray, E. D.; Jeljaszewicz, J. and Pulverer, G. (1984):

Investigation on extracellular slime substance produced by *Staphylococcus epidermidis*.

Zentralbl Bakteriol Mikrobiol Hyg; 258:256—67.

Lynch, P.; Jackson, M. M.; Cummings, M. J. and Stamm, W. E. (1987):

Rethinking the role of isolation practices in the prevention of nosocomial infections.

Ann Intern Med; 107:243-46.

Mack, D.; Haeder, M.; Siemssen, N. and Laufs, R. (1996):

Association of biofilm production of coagulase-negative staphylococci with expression of a specific polysaccharide intercellular adhesin.

J Infect Dis; 174:881-884.

Macrae, M. B.; Shannon, K. P.; Rayner, D. M.; Kaiser, A. M.; Hoffman, P. N. and French G. L. (2001):

A simultaneous outbreak on a neonatal unit of two strains of multiply antibiotic resistant *Klebsiella pneumoniae* controllable only by ward closure.

J Hosp Infect; 49(3):183-92.

Maki, D. G. (1982):

Infections associated with intravascular lines. In: Remington J. S. (ed.). *Current Clinical Topics in Infectious Diseases*. New York: McGraw-Hill. Pp: 309-63

Maki, D. G. (1994):

Infections caused by intravascular devices used for infusion therapy: pathogenesis, prevention, and management. In: Bisno, A. L. and Waldvogel, F.A. (eds.). *Infections associated with indwelling medical devices*. 2nd ed. Washington, DC: American Society for Microbiology Press. Pp:155-212.

Maki, D. G. and Mermel, L. A. (1998):

Infections due to infusion therapy. In: Bennett, J. V. and Brachman, P. S. (eds.). *Hospital Infections*. 4th ed. Philadelphia: Lippencott-Raven. Pp:689-724.

Maki, D. G. and Ringer, M. (1991):

Risk factors for infusion-related phlebitis with small peripheral venous catheters: a randomized controlled trial.

Ann Intern Med; 114:845-54.

Maki, D. G.; Ringer, M. and Alvarado, C. J. (1991):

Prospective randomised trial of povidone-iodine, alcohol, and chlorhexidine for prevention of infection associated with central venous and arterial catheters.

Lancet; 338(8763):339-343.

Maki, D. G.; Zilz, M. A. and McCormick, R. (1996):

The effectiveness of using preemptive barrier precautions routinely (protective isolation) in all high-risk patients to prevent nosocomial infection with resistant organisms, especially MRSA, VRE and *C. difficile* (abstract 43). Program and abstracts of the IDSA 34th Annual Meeting; 43.

Malecka-Griggs, B. (1986):

Microbiological assessment of 24- and 48-h changes and management of semiclosed circuits from ventilators in a neonatal intensive care unit.
J Clin Microbiol; 23:322-328.

Manian, F. A.; Meyer, L. and Jenne, J. (1996):

Clostridium difficile contamination of blood pressure cuffs: a call for a closer look at gloving practices in the era of universal precautions.
Infect Control Hosp Epidemiol; 17:180-82.

Manroe, B. L.; Rosenfeld, C. R.; Weinberg, A. G. and Browne, R. (1977):

The differential leukocyte count in assessment and outcome of early-onset neonatal group B streptococcal disease.
J Pediatr; 91: 632- 637.

Martin, L. S.; McDougal, J. S. and Loskoski, S. L. (1985):

Disinfection and inactivation of the human T lymphotropic virus type III/lymphadenopathy-associated virus.
J Infect Dis; 152:400-3.

Masterton R. G. (2005):

Antibiotic cycling: more than it might seem?
J Antimicrob Chemother; 55(1):1-5.

Mastro, T. D.; Fields, B. S.; Breiman, R. F.; Campbell, J.; Plikaytis, B. D. and Spika, J. S. (1991):

Nosocomial Legionnaires' disease and use of medication nebulizers.
J Infect Dis; 163(3):667-671.

Matorras, R.; Garcia-Perea, A.; Omenaca, F.; Usandizaga, J. A.; Nieto, A. and Herruzo, R. (1989):

Group B streptococcus and premature rupture of membranes and preterm delivery.
Gynecol Obstet Invest; 27:14-18.

Matthews, J. A. and Newsom, S. W. B. (1987):

Hot air electric hand driers compared with paper towels for potential spread of airborne bacteria.
J Hosp Infect; 9:85-8.

- Maury, E.; Alzieu, M.; Baudel, J. L.; Haram, N.; Barbut, F.; Guidet, B. and Offenstadt, G. (2000):**
Availability of an alcohol solution can improve hand disinfection compliance in an intensive care unit.
Am J Respir Crit Care Med; 162: 324–327.
- Mayer, J. A.; Dubbert, P. M.; Miller, M.; Burkett, P. A. and Chapman, S. W. (1986):**
Increasing hand washing in an intensive care unit.
Infect Control; 7 :259 –262.
- Mbithi, J. N.; Springthorpe, V. S.; Sattar, S. A. and Pacquette, M. (1993):**
Bactericidal, virucidal, and raycobactericidal activities of reused alkaline glutaraldehyde in an endoscopy unit.
J Clin Microbiol; 31:2988-95.
- McCarthy, A.; Rao, J. S.; Byrne, M.; Breatnach, F. and O'Meara, C. A. (1998):**
Central venous catheter infections treated with teicoplanin.
Eur J Haematol Suppl; 62:15-17.
- McCarthy, M. C.; Shives, J. K.; Robison, R. J. and Broadie, T. A. (1987):**
Prospective evaluation of single and triple lumen catheters in total parenteral nutrition.
J Parenter Enteral Nutr; 11 :259 –262.
- McFarland, L. V.; Mulligan, M. E.; Kwok, R. Y. Y. and Stamm, W. E. (1989):**
Nosocomial acquisition of *Clostridium difficile* infection.
N Engl J Med; 320:204-10.
- McGinley, K. J.; Larson, E. L. and Leyden, J. J. (1988):**
Composition and density of microflora in the subungual space of the hand.
J Clin Microbiol; 26:950-53.
- McGregor, J. A.; French, J. I. (1992):**
Use of antibiotics for preterm premature rupture of membranes. Rationales and results.
Obstet Gynecol Clin North Am; 19:327-338.
- McGregor, J. A.; French, J. I.; Richter, R.; Franco-Buff, A.; Johnson, A.; Hillier, S.; Judson, F. N. and Todd, J. K. (1990):**
Antenatal microbiologic and maternal risk factors associated with prematurity.
Am J Obstet Gynecol; 163:1465-1473.
- McGuckin, M.; Waterman, R.; Porten, L.; Bello, S.; Caruso, M.; Juzaitis, B.; Krug, E.; Mazer, S. and Ostrawski, S. (1999):**
Patient education model for increasing handwashing compliance.
Am J Infect Control; 27:309-14.

McIntosh, N. (1998):

The newborn. In: Campbell, A.G.M. and McIntosh, N. (eds). Textbook of pediatrics. 5th edn. New York: Churchill Livingstone.

McNeil, S. A.; Foster, C. L.; Hedderwick, S. A. and Kauffman, C. A. (2001):

Effect of hand cleansing with antimicrobial soap or alcohol-based gel on microbial colonization of artificial fingernails worn by health care workers.
Clin Infect Dis; 32(3):367-372.

Mecredy, R. L.; Wiswell, T. E. and Hume, R. F. (1993):

Outcome of term gestation neonates whose mothers received intrapartum antibiotics for suspected chorioamnionitis.
Am J Perinatol; 10:365-368.

Mehall, J. R.; Kite, C. A.; Saltzman, D. A.; Wallett, T.; Jackson, R. J. and Smith, S. D. (2002):

Prospective study of the incidence and complications of bacterial contamination of enteral feeding in neonates.
J Pediatr Surg; 37:1177-1182.

Merenstein, G. B.; Gibbs, R. E. and Weisman, L. E. (1996):

Failure of maternal chemoprophylaxis to prevent neonatal group B streptococcal sepsis.
Pediatr Res; 39:298A.

Mermel, L. A.; McCormick, R. D.; Springman, S. R. and Maki, D. G. (1991):

The pathogenesis and epidemiology of catheter-related infection with pulmonary artery Swan-Ganz catheters: a prospective study utilizing molecular subtyping.
Am J Med; 91(suppl):S197-S205.

Moffet, H. L. (1981):

Pediatric infectious diseases. Philadelphia: Lippincott Co.

Montgomery, D. M.; Stedman, C. M.; Robichaux, A. G.; Joyner, J. C. and Scariano, S. M. (1991):

Cord blood gas patterns identifying newborns at increased risk of group B streptococcal sepsis.
Obstet Gynecol; 78:774-777.

Moolenaar, R. L.; Crutcher, J. M.; San-Joaquin, V. H.; Sewell, L. V.; Hutwagner, L. C.; Carson, L. A.; Robison, D. A.; Smithee, L. M. and Jarvis, W. R. (2000):

A prolonged outbreak of *Pseudomonas aeruginosa* in a neonatal intensive care unit: did staff fingernails play a role in disease transmission?
Infect Control Hosp Epidemiol; 21(2):80-85.

Moore, D. L. (1996):

Nosocomial infections in newborn nurseries and neonatal intensive care units. In: Mayhall, C. G. (ed.). *Hospital epidemiology and infection control*. Baltimore: Williams & Wilkins. Pp: 535-64.

Morales, W. J.; Angel, J. L.; O'Brien, W. F and Knuppel, R. A. (1989):

Use of ampicillin and corticosteroids in premature rupture of membranes: a randomized study. *Obstet Gynecol*; 73:721-726.

Morales, W. J.; Lim, D. V. and Walsh, A. F. (1986):

Prevention of neonatal group B streptococcal sepsis by the use of a rapid screening test and selective intrapartum chemoprophylaxis. *Am J Obstet Gynecol*; 155:979-983.

Moro, M. L.; De Toni, A.; Stolfi, I.; Carrieri, M. P.; Braga, M. and Zunin, C. (1996):

Risk factors for nosocomial sepsis in newborn intensive and intermediate care units. *Eur J Pediatr*; 155(4):315-22.

Morton H. E. (1950):

The relationship of concentration and germicidal efficiency of ethyl alcohol. *Ann NY Acad Sci*; 53:191-6

Murray, P. R. (1991):

Comparison of the lysis-centrifugation and agitated biphasic blood culture systems for detection of fungemia. *J Clin Microbiol*; 29:96.

Musoke, R. N., and Revathi, G. (2000):

Emergence of multidrug-resistant gram-negative organisms in a neonatal unit and the therapeutic implications. *J Trop Pediatr*; 46:86-91.

Nachnani, G. H.; Lessin, L. S.; Motomiya, T.; Jensen, W. N. and Bodey, G. P. (1972):

Scanning electron microscopy of thrombogenesis on vascular catheter surfaces. *N Engl J Med*; 286:139-40.

Nagata, E.; Brito, A. S. and Matsuo, T. (2002):

Nosocomial infections in a neonatal intensive care unit: incidence and risk factors. *Am J Infect Control*; 30(1):26-31.

Narayanan, I.; Prakash, K.; Murthy, N. S. and Gujral, V. V. (1984):

Randomized controled trial of effect of raw and holder pasteurized human milk and of formula supplements on incidence of neonatal infection. *Lancet*; 2: 1111-1113.

National Committee for Clinical Laboratory Standards (NCCLS) (1997):

Performance Standards Antimicrobial Disk Susceptibility tests. Approved Standard M2-A5. Villanova, PA: NCCLS.

National health service (NHS) (2005):

Hand Washing and Hand Hygiene Policies in NHS Greater Glasgow. Greater Glasgow: NHS.

National Institute of Clinical Excellence (NICE) (2004):

Reviewing and grading the evidence (ch. 7). In: Guideline development methods. London: NICE.

http://www.nice.org.uk/pdf/GDM_Chapter7.pdf

National Nosocomial Infection Surveillance System (NNIS) (1999):

National Nosocomial Infection Surveillance (NNIS) System report: data summary from January 1990–May 1999, issued June 1999.

Am J Infect Control; 27,520-532.

Nazemi, K. J.; Buescher, E.S.; Kelly, Jr. R. E. and Karlowicz, M. G. (2003):

Central venous catheter removal versus in situ treatment in neonates with enterobacteriaceae bacteremia.

Pediatrics; 111(3):e269-e274.

Ng, P. C. (2004):

Diagnostic markers of infection in neonates.

Arch Dis Child Fetal Neonatal Ed; 89:F229.

Ng, P. C.; Cheng, S. H.; Chui, K. M.; Fok, T. F.; Wong, M. Y.; Wong, W.; Wong, R. P. and Cheung, K. L. (1997):

Diagnosis of late onset neonatal sepsis with cytokines, adhesion molecules, and C-reactive protein in preterm very low birthweight infants.

Arch Dis Child Fetal Neonatal Ed; 77:F221–7.

Ng, S. P.; Gomez, J. M.; Lim, S. H. and Ho, N. K. (1998):

Reduction of nosocomial infection in a neonatal intensive care unit (NICU).

Singapore Med J; 39(7):319-323.

Ng, P. C.; Li, G.; Chui, K. M.; Chu, W. C.; Li, K.; Wong, R. P.; Chik, K. W.; Wong, E. and Fok, T. F. (2004)

Neutrophil CD64 Is a Sensitive Diagnostic Marker for Early-Onset Neonatal Infection

Pediatric Research; 56:796-803.

Ng, P. C.; Li, K.; Wong, R. P.; Chui, K. M.; Wong, E. and Fok, T. F. (2002)

Neutrophil CD64 expression: a sensitive diagnostic marker for late-onset nosocomial infection in very low birthweight infants.

Pediatr Res; 51:296–303.

Nicolle, L. E. (2001):

Infection control programmes to contain antimicrobial resistance.
WHO; WHO/CDS/CSR/DRS/2001/7.
http://www.who.int/entity/csr/resources/publications/drugresist/en/infection_control.pdf

Nizet, V.; Ferrieri, P. and Rubens, C. E. (2000):

Molecular pathogenesis of group B streptococcal disease in newborns, p. 180-221.
In: D. Stevens (ed.), *Streptococcal infections: clinical aspects, microbiology, and molecular pathogenesis*. Oxford University Press, New York, N.Y.

Noel, G. J.; Laufer, D. A. and Edelson, P. J. (1988):

Anaerobic bacteremia in a neonatal intensive care unit: an eighteen-year experience.
Pediatr Infect Dis J; 7:858-862.

Nosocomial Infection National Surveillance Service (NINSS) (2002):

Surveillance of Hospital-Acquired Bacteraemia in English Hospitals 1997-2002.
www.hpa.org.uk/infections/publications/ninns/hosacq_HAB_2002.pdf

Nupponen, I.; Andersson, S.; Järvenpää, A. L.; Kautiainen, H. and Repo, H. (2001):

Neutrophil CD11b expression and circulating interleukin-8 as diagnostic markers for early-onset neonatal sepsis.
Pediatrics; 108:e12-17.

O'Grady, N. P.; Alexander, M.; Dellinger, E. P.; Gerberding, J. L.; Heard, S. O.; Maki, D. G.; Masur, H.; McCormick, R. D.; Mermel, L. A.; Pearson, M. L.; Raad, I. I.; Randolph, A. and Weinstein, R. A. (2002):

Guidelines for the prevention of intravascular catheter-related infections.
Centers for Disease Control and Prevention. *MMWR Recomm Rep*; 51(RR-10):1-29.

Oie, S. and Kamiya, A. (1996):

Microbial contamination of antiseptics and disinfectants.
Am J Infect Control 1996;24:389-95.

Ojajärvi, J. (1980):

Effectiveness of hand washing and disinfection methods in removing transient bacteria after patient nursing.
J Hyg (Lond); 85:193-203.

Okada, Y., Klein, N. J. and Pierro, A. (1999a):

Neutrophil dysfunction the cellular mechanism of impaired immunity during total parenteral nutrition in infancy.
J Pediatr Surg; 34:242-5.

Okada, Y.; Papp, E.; Klein, N. J. and Pierro, A. (1999b):

Total parenteral nutrition directly impairs cytokine production after bacterial challenge.

J Pediatr Surg; 34:277-80.

Olsen, R. J.; Lynch, P.; Coyle, M. B.; Cummings, J.; Bokete, T. and Stamm, W. E. (1993):

Examination gloves as barriers to hand contamination in clinical practice.
JAMA; 270:350-53.

Osrin, D.; Vergnano, S. and Costello, A. (2004):

Serious bacterial infections in newborn infants in developing countries.
Curr Opin Infect Dis; 17(3): 217-224.

Oxoid Products information (2004):

ISOLATOR 1.5 tubes and ISOLATOR 10 tubes. <http://www.oxoid.com/>

Pai, M. P.; Pendland, S. L. and Danziger L. H. (2001):

Antimicrobial-coated/bonded and -impregnated intravascular catheters.
Ann Pharmacother; 35(10):1255-1263.

Palmer, A. L.; Leos, N. K.; Hall, M.; Jackson, G. L. and Sanchez, P. J. (1996):

Evaluation of suprapubic bladder aspiration for detection of group B streptococcal antigen by latex agglutination in neonatal urine.
Am J Perinatol; 13:235-239.

Park, D. R. (2005):

Antimicrobial Treatment of Ventilator-Associated Pneumonia.
Respir Care 50(7):932–952.

Parker, M. (2005):

False dichotomies: EBM, clinical freedom, and the art of medicine.
J Med Ethics; Medical Humanities; 31:23-30.

Parkman, R. (1986):

Immunology. In: Schaffer's diseases of the newborn, 5th ed., M. E. Avery and H. W. Taeusch (eds.). Philadelphia: W. B. Saunders Co.

Pass, M. A.; Gray, B. M.; Khare, S. and Dillon, H. C. (1979):

Prospective studies of group B streptococcal infections in infants.
J Pediatr; 95:437-443.

Pass, M. A.; Khare, S. and Dillon, H. C. Jr (1980):

Twin pregnancies: Incidence of group B streptococcal colonization and disease.
J Pediatr; 97, 635-637.

Patrick, C. H.; John, J. F.; Levkoff, A. H. and Atkins, L. M. (1992):

Relatedness of strains of methicillin-resistant coagulase-negative *Staphylococcus* colonizing hospital personnel and producing bacteremias in a neonatal intensive care unit.
Pediatr Infect Dis J; 11:935-940.

Patterson, J. E.; Vecchio, J.; Pantelick, E. L.; Farrel, P.; Mazon, D.; Zervos, M. J. and Hierholzer, W. J. Jr. (1991):

Association of contaminated gloves with transmission of *Acinetobacter calcoaceticus* var. *anitratus* in an intensive care unit.
Am J Med; 91:479-83.

Paulson, D. S. (1994):

Comparative evaluation of five surgical hand scrub preparations.
AORN J; 60:246-56.

Payne, D. J. and Amyer, S. B. (1990):

Transferable resistance to extended spectrum β -lactamase: A major threat or minor inconvenience?
J Antimicrob Chemother; 27:255-261.

Payne, N. R.; Carpenter, J. H.; Badger, G. J.; Horbar, J. D. and Rogowski, J. (2004):

Marginal Increase in Cost And Excess Length of Stay Associated With Nosocomial Bloodstream Infections in Surviving Very Low Birth Weight Infants.
Pediatrics; 114(2):348-355.

Pelke, S.; Ching, D.; Easa, D. and Melish, M. E. (1994):

Gowning does not affect colonization or infection rates in a neonatal intensive care unit.
Arch Pediatr Adolesc Med; 148:1016-20.

Pellowe, C. M.; Macqueen, S.; Coe, L (2004):

Preventing healthcare associated infections in the neonatal unit: The use of evidence-based infection control guidelines
Journal of neonatal nursing; 10(5): 171-175.

Persson, K.; Bjerre, B.; Elfstrom, L.; Polberger, S. and Forsgren, A. (1986):

Group B streptococci at delivery: high count in urine increases risk for neonatal colonization.
Scand J Infect Dis; 18:525-531.

Peter G; and Cashore, W. J. (1995):

Infections acquired in the nursery: epidemiology and control. In: Remington, J. S. and Klein, J. O. (eds.). *Infectious disease of the fetus and newborn infant*. 4th ed. Philadelphia: WB Saunders; 1995. Pp: 1264-86.

Pierce, C. M.; Wade, A. and Mok, Q. (2000):

Heparin-bonded central venous lines reduce thrombotic and infective complications in critically ill children.
Intensive Care Med; 26(7):967-972.

Pittet, D. (2000):

Improving compliance with hand hygiene in hospitals.
Infect Control Hosp Epidemiol; 21:381-6.

Pittet, D. (2001):

Improving Adherence to Hand Hygiene Practice: A Multidisciplinary Approach.
Emerging Infectious Diseases; 7(2): 234-40.

Pittet, D.; Hugonnet, S.; Harbarth, S.; Mourouga, P.; Sauvan, V.; Touveneau, S. and Perneger, T. V. (2000):

Effectiveness of a hospital-wide programme to improve compliance with hand hygiene.
Lancet; 356:1307.

Pittet, D.; Mourouga, P. and Perneger, T. V. (1999):

Compliance with handwashing in a teaching hospital.
Ann Intern Med; 130:126-30.

Polak, J. D.; Ringler, N. and Daugherty, B. (2004):

Unit Based Procedures: Impact on the Incidence of Nosocomial Infections in the Newborn Intensive Care Unit.
Newborn and Infant Nursing Reviews; 4(1): 38-45.

Polin, R. A. and Fox, W. W. (1998):

Fetal and Neonatal Physiology. 2nd ed Philadelphia: Saunders.

Pollack, M.; Charache, P.; Niemann, R. E.; Jett, M. P.; Reinhardt, J. A.; and Hardy, P. H. Jr. (1972):

Factors influencing colonisation and antibiotic-resistance patterns of gram-negative bacteria in hospital patients.
Lancet; ii:668-671.

Pottinger, J.; Burns, S. and Manske, C. (1989):

Bacterial carriage by artificial versus natural nails.
Am J Infect Control; 17:340-44.

Public Health Agency of Canada (PHAC) (1997):

Public Health Agency of Canada: Canada Communicable Disease Report – Supplement (23S8).
http://www.phac-aspc.gc.ca/publicat/ccdr-rmtc/97vol23/23s8/iiadinde_e.html.

Quale, J.; Landman, D.; Saurina, G.; Atwood, E.; Di-Tore, V. and Patel, K. (1996):

Manipulation of a hospital antimicrobial formulary to control an outbreak of vancomycin-resistant enterocci.
Clin Infect Dis ; 23:1020-1025.

Queensland Health (2001):

Infection Control Guidelines. 2nd Ed. Queensland government.
<http://www.health.qld.gov.au>

Quraishi, Z. A., McGuckin, M. and Blais, F. X. (1984):

Duration of hand washing in intensive care units: a descriptive study.

Am J Infect Control; 11 :83 –87.

Raad, I. I.; Costerton, W.; Sabharwal, U.; Sacilowski, M.; Anaissie, E. and Bodey, G. P. (1993):

Ultrastructural analysis of indwelling vascular catheters: a quantitative relationship between luminal colonization and duration of placement.

J Infect Dis; 168:400-7.

Raad, I. I.; Hohn, D. C.; Gilbreath, B. J.; Suleiman, N.; Hill, L. A.; Bruso, P. A.; Marts, K.; Mansfield, P. F. and Bodey, G. P. (1994a):

Prevention of central venous catheter-related infections by using maximal sterile barrier precautions during insertion.

Infect Control Hosp Epidemiol; 15:231—8.

Raad, I. I.; Luna, M.; Khalil, S.A.; Costerton, J. W.; Lam, C. and Bodey, G. P. (1994b):

The relationship between the thrombotic and infectious complications of central venous catheters.

JAMA; 271:1014—6.

Rabasa, A. I. and Okolo, A. A. (1996):

Early diagnosis of septicemia in infants with respiratory distress in the tropics.

Trop Doct; 26(2): 62- 64.

Raimundo, O.; Heussler, H.; Bruhn, J. B.; Suntrarachun, S.; Kelly, N.; Deighton, M. A. and Garland, S. M. (2002):

Molecular epidemiology of coagulase-negative staphylococcal bacteraemia in a newborn intensive care unit.

J Hosp Infect; 51:33-42.

Redway, K.; Knights, B.; Bozoky, Z.; Theobald, A. and Hardcastle, S. (1994):

Hand drying: A study of bacterial types associated with different hand drying methods and with hot air dryers. London, UK, Applied Ecology Research Group, University of Westminster.

Reed, W.W. and Deil, L.F. (1991):

Leukopenia, neutropenia, and reduced hemoglobin levels in healthy American blacks.

Arch Internal Med; 151: 501- 505.

Regan, J. A.; Klebanoff, M. A.; Nugent, R. P.; Eschenbach, D. A.; Blackwelder, W. C.; Lou, Y.; Gibbs, R. S.; Rettig, P. J.; Martin, D. H. and Edelman, R. (1996):

Colonization with group B streptococci in pregnancy and adverse outcome.

Am J Obstet Gynecol; 174:1354-1360.

Reik, H. and Rubin, S. J. (1981):

Evaluation of the buffy-coat smear for rapid detection of bacteremia.

JAMA; 245(4): 357- 359.

Reimer, L. G. and Reller, L. B. (1985):

Effect of sodium polyanetholsulfonate on the recovery of *Gardnerella vaginalis* from blood culture media.
J Clin Microbiol; 21:686-688.

Reimer, L.G.; Wilson, M. L. and Weinstein, M. P. (1997):

Update on Detection of Bacteremia and Fungemia.
Clin Microbiol Rev; 10(3):444–465.

Reiss, I.; Borkhardt, A.; Füssle, R.; Sziegoleit, A. and Gortner, L. (2000):

Disinfectant contaminated with *Klebsiella oxytoca* as a source of sepsis in babies.
The Lancet ; 356:310.

Rello, J.; Gallego, M.; Mariscal, D.; Sonora, R. and Valles, J. (1997):

The value of routine microbial investigation in ventilator-associated pneumonia.
Am J Respir Crit Care Med ; 156:196-200.

Remington, J. S. and Klein, J. O. (eds.) (2001):

Infectious Diseases of the Fetus and Newborn Infants. 5th edn.; Philadelphia: Saunders.

Rocha, V. L. L.; Benjamin, A. C. W.; Procianoy, R. S. (2001):

The effect of recombinant human erythropoietin on the treatment of anemia of prematurity
J Pediatr (Rio J); 77(2):75-83.

Rodriguez, F. and Lorian, V. (1985):

Antibacterial activity in blood cultures.
J Clin Microbiol; 21:262.

Rønnestad, A.; Abrahamsen, T. G.; Medbø, S.; Reigstad, H.; Lossius, K.; Kaaresen, P. I.; Egeland, T.; Englund, I. E.; Irgens, L. M. and Markestad, T. (2005):

Late-Onset Septicemia in a Norwegian National Cohort of Extremely Premature Infants Receiving Very Early Full Human Milk Feeding.
Pediatrics; 115:269-276.

Rotter, M. L. (1984):

Hygienic hand disinfection.
Infect Control; 1:18-22.

Rotter, M. L. (1996):

Hand washing and hand disinfection. In: Mayhall C. G. (ed.). *Hospital Epidemiology and Infection Control*. Baltimore, MD: Williams & Wilkins.

Rotter, M. (1999):

Hand washing and hand disinfection [Chapter 87]. In: Mayhall C. G., (ed.) *Hospital epidemiology and infection control*. 2nd ed. Philadelphia, PA: Lippincott Williams & Wilkins.

Rotter, M. L.; Koller, W. and Neumann, R. (1991):

The influence of cosmetic additives on the acceptability of alcohol-based hand disinfectants.

J Hosp Infect; 18 (suppl B):57-63.

Royle, J.; Halasz, S.; Eagles, G.; Gilbert, G.; Dalton, D.; Jelfs, P. and Isaacs, D. (1999):

Outbreak of extended spectrum beta lactamase producing *Klebsiella pneumoniae* in a neonatal unit.

Arch Dis Child Fetal Neonatal Ed; 80: F64-F68.

Rubin, L. G.; Sánchez, P. J.; Siegel, J.; Levine, G.; Saiman, L. and Jarvis, W. R. (2002):

Evaluation and Treatment of Neonates With Suspected Late-Onset Sepsis: A Survey of Neonatologists' Practices.

Pediatrics;110;42-

Rutala, W. A. (1996):

APIC Guideline for Selection and Use of Disinfectants.

Am J Infect Control; 24(4):313-342.

Rutala, W. A.; Cole, E. C.; Wannamaker, N. S. and Weber, D. J. (1991):

Inactivation of *Mycobacterium tuberculosis* and *Mycobacterium bovis* by 14 hospital disinfectants.

Am J Med; 91(3B):267S-71S.

Rutala W. W.; Weber, D. J.; Gergen, M. F. and Gratta, A. R. (2000):

Efficacy of a washer-pasteurizer for disinfection of respiratory-care equipment.

Infect Control Hosp Epidemiol; 21:333-336.

Sackett, D. L. ; Rosenberg, W. M. C.; Gray, J. A. M.; Haynes, R. B. and Richardson, W. S. (1996):

Evidence-based medicine: what it is and what it isn't.

BMJ; 312,71-72.

Saiman, L. (2002):

Risk factors for hospital-acquired infections in the neonatal intensive care unit.

Semin Perinatol; 26(5):315-21.

Saiman, L.; Ludington, E.; Dawson, J. D.; Patterson, J. E.; Rangel-Frausto, S.;

Wiblin, R. T.; Blumberg, H. M.; Pfaller, M.; Rinaldi, M.; Edwards, J. E.; Wenzel, R. P. and Jarvis, W. (2001):

Risk factors for *Candida* species colonization of neonatal intensive care unit patients.

Pediatr Infect Dis J; 20:1119—24.

- Saiman, L.; Ludington, E.; Pfaller, M.; Rangel-Frausto, S.; Wiblin, R. T.; Dawson, J.; Blumberg, H. M.; Patterson, J. E.; Rinaldi, M.; Edwards, J. E.; Wenzel, R. P. and Jarvis, W. (2000):**
Risk factors for candidemia in neonatal intensive care unit patients.
Pediatr Infect Dis J; 19:319-324.
- Salzman, M. B.; Isenberg, H. D. and Rubin, L. G. (1993a):**
Use of disinfectants to reduce microbial contamination of hubs of vascular catheters.
J Clin Microbiol; 31(3):475-479.
- Salzman, M. B.; Isenberg, H. D.; Shapiro, J. F.; Lipsitz, P. J. and Rubin, L. G. (1993b):**
A prospective study of the catheter hub as the portal of entry for microorganisms causing catheter-related sepsis in neonates.
J Infect Dis; 167:487-90.
- Sanchez, P. J.; Siegel, J. D.; Cushion, N. B. and Threlkeld, N. (1990):**
Significance of a positive urine group B streptococcal latex agglutination test in neonates.
J Pediatr; 116:601-606.
- Santana, C.; Guindeo, M. C.; Gonzalez, G.; Garcia-Munoz, F.; Saavedra, P. and Domenech, E. (2001):**
Cord blood levels of cytokines as predictors of early neonatal sepsis.
Acta Paediatr; 90:1176-81.
- Sartor, C.; Jacomo, V.; Duvivier, C.; Tissot-Dupont, H.; Sambuc, R. and Drancourt, M. (2000):**
Nosocomial *Serratia marcescens* infections associated with extrinsic contamination of a liquid nonmedicated soap.
Infect Control Hosp Epidemiol; 21:196-9.
- Sattar, S. A.; Tetro, J.; Springthorpe, V. S. and Giulivi, A. (2001):**
Preventing the spread of hepatitis B and C viruses: where are germicides relevant?
Am J Infect Control; 29:187-97.
- Schaffner, W. (1980):**
Infection control: old myths and new realities.
Infect Control; 1:330-34.
- Scheckler, W. E.; Brimhall, D.; Buck, A. S.; Farr, B. M.; Friedman, C.; Garibaldi, R. A.; Gross, P. A.; Harris, J.; Hierholzer-Jr, W. J.; Martone, W. J.; McDonald, L. L. and Solomon, S. L. (1998):**
Requirements for infrastructure and essential activities of infection control and epidemiology in hospitals: a consensus panel report. Society of Healthcare Epidemiology of America.
Infect Control Hosp Epidemiol; 19:114-124.

- Schelonka, R. L.; Yoder, B. A.; des-Jardins, S. E.; Hall, R. B. and Butler, J. (1994):**
Peripheral leukocyte count and leukocyte indexes in healthy newborn term infants.
J Pediatr; 125(4): 603- 606.
- Schrag, S.; Gorwitz, R.; Fultz-Butts, K. and Schuchat, A. (2002):**
Prevention of perinatal group B streptococcal disease. Revised guidelines from CDC.
Morb Mortal Wkly Rap Recomm Rep; 51:1-22.
- Schrag, S. J.; Zywicki, S.; Farley, M. M.; Reingold, A. L.; Harrison, L. H.; Lefkowitz, L. B.; Hadler, J. L.; Danila, R.; Cieslak, P. R. and Schuchat, A. (2000):**
Group B streptococcal disease in the era of intrapartum antibiotic prophylaxis.
N Engl J Med; 342: 15-20.
- Schuchat, A.; Deaver-Robinson, K.; Plikaytis, B. D.; Zangwill, K. M.; Mohle-Boetani, J. and Wenger, J. D. (1994):**
Multistate case-control study of maternal risk factors for neonatal group B streptococcal disease. The Active Surveillance Study Group.
Pediatr Infect Dis J; 13:623-629.
- Schuchat, A. and Wenger, J. D. (1994):**
Epidemiology of group B streptococcal disease: risk factors, prevention strategies, and vaccine development.
Epidemiol Rev; 16:374-402.
- Schultz, C.; Rott, C.; Temming, P.; Schlenke, P.; Moller, J. C. and Bucsky, P. (2002):**
Enhanced interleukin-6 and interleukin-8 synthesis in term and preterm infants.
Pediatr Res; 51:317-22.
- Schwalbe, R. S.; Stapleton, J. T. and Gilligan, P. H. (1987):**
Emergence of vancomycin resistance in coagulase-negative staphylococci.
N Engl J Med; 316:927-931.
- Scott, H. (2002):**
Nurses are not washing their hands well enough.
Br J Nurs; 9 :2264 .
- Scythes, K. D.; Loie, M. and Simor, R. E. (1996):**
Evaluation of nutritive capacities of 10 broth media.
J Clin Microbiol; 34: 1804- 1807.
- Segura, M.; Alvarez-Lerma, F.; Tellado, J. M.; Jimenez-Ferreres, J.; Oms, L.; Rello, J.; Baro, T.; Sanchez, R.; Morera, A.; Mariscal, D.; Marrugat, J. and Sitges-Serra, A.(1996):**
A clinical trial on the prevention of catheter-related sepsis using a new hub model.
Ann Surg; 223(4):363-369.

Shang, S.; Chen, Z.; Yu, X. (2001):

Detection of bacterial DNA by PCR and reverse hybridization in the 16S rRNA gene with particular reference to neonatal septicemia.
Acta Paediatr; 90(2): 179- 183.

Sharma, P. P.; Halder, D. and Dutta, A. (1987):

Bacteriological profile of neonatal septicemia.
Indian Pediatr; 11: 1010-1017

Sharma, A.; Kutty, C. V.; Sabharwal, U.; Rathee, S. and Mohan, H. (1993):

Evaluation of sepsis screen for diagnosis of neonatal septicemia.
Indian Pediatr; 60(4): 559- 563.

Sheth, N. K.; Franson, T. R.; Rose, H. D.; Buckmire, F. L.; Cooper, J. A. and Sohnle, P. G. (1983):

Colonization of bacteria on polyvinyl chloride and Teflon intravascular catheters in hospitalized patients.
J Clin Microbiol; 18:1061-3.

Shiro, H.; Meluleni, G.; Groll, A.; Muller, E.; Tosteson, T. D.; Goldmann, D. A. and Pier, G. B. (1995):

The pathogenic role of *Staphylococcus epidermidis* capsular polysaccharide/adhesin in a low-inoculum rabbit model of prosthetic valve endocarditis.
Circulation; 92:2715-2722.

Shlaes, D. M.; Gerding, D. N.; John, J. F. J.; Craig, W. A.; Bornstein, D. L.; Duncan, R. A.; Eckman, M. R.; Farrer, W. E.; Greene, W. H.; Lorian, V.; Levy, S.; McGowan, J. E. J.; Paul, S. M.; Ruskin, J.; Tenover, F. C. and Watanakunakorn, C. (1997):

Society for Healthcare Epidemiology of America and Infectious Diseases Society of America Joint Committee on the Prevention of Antimicrobial Resistance: guidelines for the prevention of antimicrobial resistance in hospitals.
Clin Infect Dis; 25: 584-599.

Simmons, B. P. (1983):

Guideline for hospital environmental control.
Am J Infect Control; 11:97-115.

Singh, N.; Patel, K. M.; Leger, M. M.; Short, B.; Sprague, B. M.; Kalu, N. and Campos, J. M. (2002):

Risk of resistant infections with Enterobacteriaceae in hospitalized neonates.
Pediatr Infect Dis J; 21:1029-1033

Sitges-Serra, A. and Girvent, M. (1999):

Catheter-related bloodstream infections.
World J Surg; 23(6):589-595.

- Snydman, D. R.; Donnelly-Reidy, M.; Perry, L. K. and Martin, W. J. (1987):**
Intravenous tubing containing burettes can be safely changed at 72 hour intervals.
Infect Control; 8:113—6.
- Sohn, A. H.; Garrett, D. O.; Sinkowitz-Cochran, R. L.; Grohskopf, L. A.; Levine, G. L.; Stover, B. H.; Siegel, J. D. and Jarvis, W. R. (2001):**
Prevalence of nosocomial infections in neonatal intensive care units: results from the first national point-prevalence survey.
J Pediatr; 139(6):821-827.
- Solorzano-Santos, F.; Miranda-Navales, M. G.; Leanos-Miranda, B.; Diaz-Ponce, H. and Palacios-Saucedo, G. (1998):**
A blood micro-culture system for the diagnosis of bacteremia in pediatric patients.
Scand J Infect Dis; 30:481—3.
- Spaans, W. A.; Knox, A. J.; Koya, H. B. and Mantell, C. D. (1990):**
Risk factors for neonatal infection.
Aust N Z J Obstet Gynaecol; 30:327-330.
- Staneck, J. L. and Vincent, S.; (1981):**
Inhibition of *Neisseria gonorrhoeae* by sodium polyanetholesulfonate.
J Clin Microbiol; 13:463—467.
- Steinmann, J. (2001):**
Some principles of virucidal testing.
J Hosp Infect; 48(supplA):S15-S17.
- Stillman, R. M.; Soliman, F.; Garcia, L. and Sawyer, P. N. (1977):**
Etiology of catheter-associated sepsis. Correlation with thrombogenicity.
Arch Surg; 112:1497—9.
- Stoll, B. J. (2004):**
Infections of the neonatal infant. In: Behrman, R. E.; Kleigman, R. M. and Jenson, H. B. (eds.). *Nelson Text Book of Pediatrics*. 17th ed. Philadelphia: W.B. Saunders. Pp: 623-640.
- Stoll, B. J.; Gordon, T.; Korones, S. B.; Shankaran, S.; Tyson, J. E.; Bauer, C. R.; Fanaroff, A. A.; Lemons, J. A.; Donovan, E. F.; Oh, W.; Stevenson, D. K.; Ehrenkranz, R. A.; Papile, L. A.; Verter, J.; Wright, L. L. (1996a):**
Early onset sepsis in very low birth weight neonates: A report from the National Institute of Child Health and Human Development Neonatal Research Network.
J Pediatr; 129(1):72-80.
- Stoll, B. J.; Gordon, T.; Korones, S. B.; Shankaran, S.; Tyson, J. E.; Bauer, C. R.; Fanaroff, A. A.; Lemons, J. A.; Donovan, E. F.; Oh, W.; Stevenson, D. K.; Ehrenkranz, R. A.; Papile, L. A.; Verter, J. and Wright, L. L. (1996b):**
Late-onset sepsis in very low birth weight neonates: a report from the National Institute of Child Health and Human Development Neonatal Research Network.

J Pediatr;129(1):63-71.

Stoll, B. J.; Hansen, N.; Fanaroff, A. A.; Wright, L. L.; Carlo, W. A.; Ehrenkranz, R. A.; Lemons, J. A.; Donovan, E. F.; Stark, A. R.; Tyson, J. E.; Oh, W.; Bauer, C. R.; Korones, S. B.; Shankaran, S.; Laptook, A. R.; Stevenson, D. K.; Papile, L. A. and Poole, W. K. (2002):

Changes in pathogens causing early-onset sepsis in very-low- birth-weight infants.
N Engl J Med; 347:240-247.

Stoll, B. J.; Hansen, N.; Fanaroff, A.A.; Wright LL; Carlo, W. A.; Ehrenkranz, R. A.; Lemons, J. A.; Donovan, E. F.; Stark, A. R.; Tyson, J. E.; Oh, W.; Bauer, C. R.; Korones, S. B.; Shankaran, S.; Laptook, A. R.; Stevenson, D. K.; Papile, L. A. and Poole, W. K. (2002b):

Late-onset sepsis in very low birth weight neonates: the experience of the NICHD Neonatal Research Network.
Pediatrics; 110:285-291.

Stoll, B. J.; Temprosa, M.; Tyson, J. E.; Papile, L. A.; Wright, L. L.; Bauer, C. R.; Donovan, E. F.; Korones, S. B.; Lemons, J. A.; Fanaroff, A. A.; Stevenson, D. K.; Oh, W.; Ehrenkranz, R. A.; Shankaran, S. and Verter, J. (1999):

Dexamethasone therapy increases infection in very low birth weight infants.
Pediatrics; 104:e63.

Strand, C. L.; Wajsbort, R. R. and Sturmann, K. (1993):

Effect of iodophor vs iodine tincture skin preparation on blood culture contamination rate.
JAMA; 269:1004–6.

Struthers, S.; Underhill, H.; Albersheim, S.; Greenberg, D. and Dobson, S. (2002):

A comparison of two versus one blood culture in the diagnosis and treatment of coagulase- negative staphylococcus in the neonatal intensive care unit.
J Perinatol; 22:547-549.

Surmont, I.; Gavilanes, A.; Vandepitte, J.; Devlieger, H. and Eggermont, E. (1989):

Malassezia furfur fungaemia in infants receiving intravenous lipid emulsions. A rarity or just underestimated?
Eur J Pediatr; 148:435-438.

Tablan, O. C.; Anderson, L. J.; Besser, R.; Bridges, C. and Hajjeh, R. (2003)

Guidelines for preventing Health-care-associated pneumonia. Recommendations of CDC and the Healthcare Infection Control Practices Advisory Committee. Centers for Disease Control and Prevention.

Tenover, F.C. and Hughes, J. M. (1996):

The challenges of emerging infectious diseases.
JAMA; 275: 300-304.

- Thilaganthan, B.; Meher-Komji, N. and Nicolaides, K. H. (1994):**
Labor: An immunologically beneficial process for the neonate.
Am J Obstet Gynecol; 171 (5): 1271-1272.
- Thompson, B.L.; Dwyer, D. M.; Ussery, X. T.; Denman, S.; Vacek, P. and Schwartz, B. (1997):**
Handwashing and glove use in a long-term-care facility.
Infect Control Hosp Epidemiol; 18,97-103.
- Timmermans, S. and Mauck, A. (2005):**
The Promises And Pitfalls Of Evidence-Based Medicine
Health Aff; 24(1): 18 – 28.
- Traoré, O.; Fayard, S. F. and Laveran, H. (1996):**
An in-vitro evaluation of the activity of povidone-iodine against nosocomial bacterial strains.
J Hosp Infect; 34:217-22
- Tristram, S. (1998):**
Extended spectrum B-lactamases: Are we losing the battle?
Antimicrob Agents Chemother; 42:53-58.
- Trudel, R. R.; Griffith, J. T. and Schleicher, L. H. (1995):**
Bacteremia. In: Mahon, C. R. and Manuselis, G. Jr. (eds.) *Diagnostic Microbiology*. Philadelphia:W.B. SAUNDERS. Pp: 936-947.
- Turner, J. G.; Gauthier, D. K.; Roby, J. R.; Larsen, E. and Gauthier, J. (1994):**
Use of image analysis to measure hand washing effectiveness.
Am J Infect Control; 22 :218 –223.
- UAE Health, (2003):**
infection control. policies & guidelines for the UAE health institutions. adoption of infection Control Practices. 1st edn.
- Van Der Zwet, W. C.; Parlevliet, G. A.; Savelkoul, P. H.; Stoof, J.; Kaiser, A. M.; Van Furth, A. M. and Vandenbroucke-Grauls C. M. (2000):**
Outbreak of *Bacillus cereus* infections in a neonatal intensive care unit traced to balloons used in manual ventilation.
J Clin Microbiol; 38(4):4131-4136.
- Vasilakis, A. and Apeltgren, K. N. (1988):**
Answering the fat emulsion contamination question: three in one admixture vs conventional total parenteral nutrition in a clinical setting.
J Parenter Enteral Nutr; 12:356-359.

- Veenstra, D. L.; Saint, S.; Saha, S.; Lumley, T. and Sullivan, S. D. (1999):**
Efficacy of antiseptic-impregnated central venous catheters in preventing catheter-related bloodstream infection: a meta-analysis.
JAMA; 281(3):261-267.
- Vergnano, S.; Sharland, M.; Kazembe, P.; Mwansambo, C. and Heath, P. T. (2005):**
Neonatal sepsis: an international perspective.
Arch Dis Child Fetal Neonatal Ed; 90:F220-FF224.
- Vicca, A. F. (1999):**
Nursing staff workload as a determinant of methicillin-resistant *Staphylococcus aureus* spread in an adult intensive therapy unit.
J Hosp Infect; 43:109-13.
- Vigeant, P.; Loo, V. G.; Bertrand, C.; Dixon, C.; Hollis, R.; Pfaller, M. A.; McLean, A. P.; Briedis, D. J.; Perl, T. M. and Robson, H. G. (1998):**
An outbreak of *Serratia marcescens* infections related to contaminated chlorhexidine.
Infect Control Hosp Epidemiol; 19:791-4.
- Vigushin, D.; Pepys, M. and Hawkins, P. (1993):**
Metabolic and scintigraphic studies of radioiodinated human C-reactive protein in health and disease.
J Clin Invest; 91:1351-7.
- Voss, A.; Widmer, A. F. (1997):**
No time for handwashing!? Handwashing versus alcoholic rub: can we afford 100% compliance?.
Infect Control Hosp Epidemiol; 18:205.
- Vu-Thien, H.; Darbord, J. C.; Moissenet, D.; Dulot, C.; Dufourcq, J. B.; Marsol, P. and Garbarg-Chenon, A. (1998):**
Investigation of an outbreak of wound infections due to *Alcaligenes xylosoxidans* transmitted by chlorhexidine in a burns unit.
Eur J Clin Microbiol; 17:724-6.
- Walsh, B.; Blakemore, P. H. and Drabu, Y. J. (1987):**
The effect of handcream on the antibacterial activity of chlorhexidine gluconate.
J Hosp Infect; 9:30-3.
- Weinschenk, N. P.; Farina, A. and Bianchi, D. W. (2000):**
Premature infants respond to early-onset and late-onset sepsis with leukocyte activation.
J Pediatr; 137:345-50.

Weinstein, J. W. (2001):

Isolation guidelines for hospitals. In: Rose, B. D. (Ed.). *UpToDate*. Wellesley, MA: UpToDate.

Weinstein, M. P.; Mirrett, S.; Wilson, M. L.; Harrell, L. J.; Stratton, C. W. and Reller, L. B. (1991):

Controlled evaluation of BACTEC Plus 26 and Roche Septi-Chek aerobic blood culture bottles.
J Clin Microbiol; 29:879.

Weirich, E.; Rabin, R. L.; Maldonado, Y.; Benitz, W.; Modler, S.; Herzenberg, L. A. and Herzenberg, L. A. (1998):

Neutrophil CD11b expression as a diagnostic marker for early-onset neonatal infection.
J Pediatr; 132:445–51.

White, R. D. (2002):

Recommended standards for newborn ICU design - Report of the Fifth Consensus Conference on Newborn ICU Design. January 2002 Clearwater Beach, Florida.
<http://www.nd.edu/~kkolberg/DesignStandards.htm>

Whitehouse, J. D.; Sexton, D. J. and Kirkland, K. B. (1998):

Infection control: past, present, and future issues.
Compr Ther; 24:71.

WHO Young Infants Study Group (1999):

Bacterial etiology of serious infections in young infants in developing countries: results of a multicenter study.
Pediatr Infect Dis J; 18: S17-S22.

Williamson, M.; Fraser, S. H. and Tilse, M. (1995):

Failure of the urinary group B streptococcal antigen test as a screen for neonatal sepsis.
Arch Dis Child Fetal Neonatal Ed; 73:F109-F111.

Wilson, M. L.; Mirrett, S.; McDonald, L. C.; Weinstein, M. P.; Fune, J. and Reller, L. B. (1999):

Controlled Clinical Comparison of bioMerieux VITAL and BACTEC NR-660 Blood Culture Systems for Detection of Bacteremia and Fungemia in Adults.
Journal of Clin Microbiology; 37 (6): 1709- 1713.

Winnefeld, M.; Richard, M. A.; Drancourt, M. and Grobb, J. J. (2000):

Skin tolerance and effectiveness of two hand decontamination procedures in every day hospital use.
Br J Dermatol; 143:546-50.

Wolff, M. H.; Schmitt, J.; Rahaus, M. and König, A. (2001):

Hepatitis A virus: a test method for virucidal activity.

J Hosp Infect; 48(suppl A):S18—S22.

Wynd, C. A., Samstag, D. E. and Lapp, A. M. (1994):

Bacterial carriage on the fingernails of OR nurses.
AORN; 60:796-805.

Yadav, A. K.; Wilson, C.G.; Prasad, P. L. and Menon, P. K. (2005):

Polymerase Chain Reaction in Rapid Diagnosis of Neonatal Sepsis.
Indian Pediatr; 42:681-685.

Yagupsky, P.; Menegus, M. A. and Powell, K. R. (1991):

The changing spectrum of group B streptococcal disease in infants: an eleven-year experience in a tertiary care hospital.
Pediatr Infect Dis J; 10:801-808.

Yale University:

Infection Control
Policies and Procedures Manual.
Yale University Office of Environmental Health and Safety Occupational Health
and Safety Section. <http://www.yale.edu/oehs>.

Yancey, M.K.; Duff, P.; Kubilis, P.; Clark, P. and Frentzen, B. H. (1996):

Risk factors for neonatal sepsis.
Obstet Gynecol; 87:188-194.

Yeh, T. F.; Lin, Y. J.; Hsieh, W. S.; Lin, H. C.; Lin, C. H.; Chen, J. Y.; Kao, H. A. and Chien, C. H. (1997):

Early postnatal dexamethasone therapy for the prevention of chronic lung disease in preterm infants with respiratory distress syndrome: a multicenter clinical trial.
Pediatrics; 100:E3.

Yeung, C. Y.; Lee, H. C.; Huang, F. Y. and Wang, C. S. (1998):

Sepsis during total parenteral nutrition: exploration of risk factors and determination of the effectiveness of peripherally inserted central venous catheters.
Pediatr Infect Dis J; 17:135-42.

Zaidi, A. K.; Knaut, A. L.; Mirrett, S. and Reller, L. B. (1995):

Value of routine anaerobic blood cultures for pediatric patients.
J Pediatr; 127:263–8.