DEPT. OF ORTHOPAEDIC SURGERY
EDENDALE HOSPITAL

ANTIBIOTIC GUIDELINES FOR ORTHOPAEDIC PATIENTS

PROPHYLAXIS

1. PRE-OPERATIVE:
   A. SOFT TISSUE PROCEDURES – NO ANTIBIOTICS
   (EXCEPTION: COMPROMISED HOST)
   B. BONE AND JOINT PROCEDURES – CEFAZOLE 1g 30 mins before incision and 6 hrly, 1 TO 3 DOSES

2. PROPHYLAXIS IN PATIENTS WITH ARTHROPLASTY:
   A. MINOR, EG. DENTAL, UPPER RESPIRATORY TRACT: AMOXICILLIN 1g: 2 DOSES
   B. POTENTIALLY CONTAMINATED SURGERY: AMOXICILLIN + AMIKACIN

3. COMPOUND FRACTURES, JOINT AND TENDON INJURIES:
   A. UNCONTAMINATED WOUND: CEFAZOLE 1g 6hrly: 3 DOSES
   B. MODERATE TO HEAVY CONTAMINATION: (THERAPEUTIC):
      1. CLOXACILLIN + PENICILLIN G / ± GENTAMYCIN
         1g 6hrly 1-2 mega unit 6hrly 3 to 5 mg /kg/day
      2. TRIPLE ANTIBIOTICS (PEN G + GENTAMYCIN + FLAGYL)
         500mg 8hrly

4. HUMAN BITES: UP TO 12 HOURS: AUGMENTIN 1.2g 8hrly
   MORE THAN 24 HRS / OBVIOUSLY SEPTIC: TRIPLE ANTIBIOTICS (THERAPEUTIC)

THERAPEUTIC

A. BONE AND JOINT INFECTIONS: –
   • ACUTE INFECTIONS:
      LESS THAN ONE YEAR OF AGE: Gentamycin + Cloxacillin
      UP TO 4 YEARS OF AGE: CLOXACILLIN + AMPICILLIN
      OVER 4 YEARS: CLOXACILLIN + PENICILLIN G
      IMMUNO-COMPROMISED HOST, MAY NEED ADDITIONAL COVER FORGRAM NEGATIVES
      NB: ADD FUCIDIC ACID IF PATIENT IS SEPTICAEMIC
   • GONOCOCCAL ARTHRITIS:
      Ciprofloxacin 500mg BD – 2 wks

   • CHRONIC INFECTIONS:
      FLUCLOX FOR A WEEK (FOR ACUTE EXACERBATION)

B. HAND INFECTIONS: CLOXACILLIN + PENICILLIN
   NB: - INFECTIONS THROUGH HUMAN BITES AND OTHER SPECIFIC
      CONTAMINATIONS / INFECTIONS SHOULD BE SPECIFICALLY TREATED

   - CLINDAMYCIN IN PLACE OF CLOX IN PATIENT ALLERGIC TO PENICILLINS
      600mg 8hrly IV
      paediatric patients: Cefazolin 50mg/kg/day in 4 divided doses IV
      Clindamycin 25mg/kg/day in 3 divided doses IV

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ORTHOPAEDICS

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