SHEA Newsletter

Edited by Robert A. Weinstein, MD

The Society of Hospital Epidemiologists of America President Walter J. Hierholzer, Jr., MD/New Haven Connecticut President-Elect Dennis G. Maki, MD/Madison, Wisconsin Vice President C. Glen Mayhall, MD/Richmond, Virginia Past-President Richard A. Garibaldi, MD, Farmington, Connecticut Secretary Timothy R. Townsend, MD/Baltimore, Maryland Bruce H. Hamory, MD/Hershey, Pennsylvania Treasurer Councilor Jeffrey Band, MD/Royal Oak, Michigan Councilor Murray D. Batt, MD/Park Ridge, Illinois Councilor Peter N.R. Heseltine, MD/Los Angeles, California Councilor Dennis Schaberg, MD/Ann Arbor, Michigan

President's Message

As we approach midyear for the Society's councilors and officers, a number of milestones have been passed and several initiatives implemented. An extremely successful first national meeting was held in Baltimore March 10-12, with over 300 attendees and three days of presentations and discussions devoted to AIDS, new initiatives in hospital epidemiology and, on the final clay, leading-edge topics in infection control. Discussion at the questionand-answer sessions was spirited and detailed. Responses from presenters and attendees have been highly complimentary. Drs. Garibaldi and Hamory are reviewing the financial outcome of the meeting with our co-sponsor, Infection Control and Hospital Epidemiology. Dr. Dennis Schaberg is chairing a National Meeting Evaluation Committee for the SHEA Board. This committee is charged with critiquing the Baltimore meeting and making recommendations concerning the best options for timing, place and content for future national meetings of the Society

The second SHEA/CDC training program for H os pi tal E pide miologists was in Atlanta March ?!I-31. Over 60 people applied for the 30 available positions, and as a result of the demand, attendance limit was stretched to 36. Over 28 applications were received for the five Merck Sharp & Dohme scholarships, and all participants and faculty were treated by Merck, Inc. to cocktails and dinner on the second night of the program. As a result of hard work by course coordinators Drs. Allen Kaiser, Bill Martone and Donald Goldmann, an excellent curriculum has been established and tested. Plans include some further fine tuning of the curriculum and investigation of the potential for offering a second session each year on the west coast. The Education Committee, chaired by Dr. Goldmann, has received and is reviewing several additiottal requests for educational consultation or services, and in the future may be seeking individuals to serve as program coordinators and lecturers. Individuals interested in assisting the committee should write to Dr. Goldmann, Division of Infectious Diseases, The Children's Hospital, 300 Longwood Avenue, Boston, MA 02115.

Two new committees have begun activities for the board. The first is the Position Analysis Committee, chaired by Dr. Glen Mayhall. This committee is charged with the identification and review of topics of national interest relevant to Hospital Epidemiology and preparation of statements by the Society where appropriate. The committee has been funded by the board to allow

 Please send me an application form and Information about membership in
The Society of Hospital Epidemiologists of America (SHEA). (Eligibility for
membership requires a doctoral degree and either activity in hospital epi-
demiology or current participation in a training program in this field)

 My address is:
(Please print)

 Mall this request to Timothy R. Townsend, MD, SHEA Secretary Brady 119.
Johns Hopkins Hospital, 600 N. Wolfe St., Baltimore, MD 21205.

INFECT CONTROL HOSP EPIDEMIOL 1989/Vol. 10, No. 7

the formation and support of several "expert" groups. The Joint SHEA/APIC Task Force(s) will continue to operate under this new umbrella. Membership on the committee will always include the president-elect and the vice president. who will serve as the Chair. According to Dr. Mayhall, topics under consideration or review include medical waste handling, the HIVinfected health care worker and national health objectives for the vear 2000. Individuals wishing to contribute to such discussions or to suggest topics of interest should contact Dr. Mayhall, Division of Infectious Diseases, Medical College of Virginia, MCV Station Box 19. Richmond, VA 23298.

A second committee, under the leadership of Past President, Dick Garibaldi, is the Resource Development Committee. This committee is charged with the task of stabilizing SHEA's financial base by identifying new and continuing sources of revenue, in addition to the various ad hoc sources identified for past projects. Dr. Garibaldi said in last year's messages that increasing membership is an important feature in adding to the resources of the Society, and members are urged to encourage their younger (and older) colleagues to become active members of SHEA.

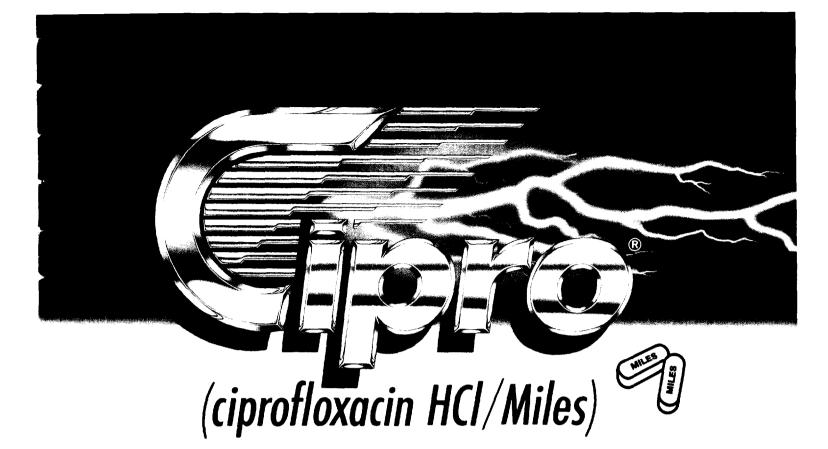
The SHEA luncheon at ICAAC this year will be held on Monday. September 18, at the Four Seasons Hotel Ballroom. This year's speaker will be Dr. W. Paul Glezen of t h e Infleunza Research Center i n Houston. Dr. Glezen is professor of microbiology and pediatrics at Baylor and an expert on the epidemiology of influenza. He will discuss recent advances for dealing with influenza, residual problems in control and h i s thoughts on the

ing SHEA's financial base by identi-potential for great pandemic(s) t o fving new and continuing sources come.

Prior to the fall meeting:. members will be receiving the ballot for new councilors and officers and a notification of a request by the board to modify the bylaws of the corporation to improve the Society's posture to protect its board and officers from liability. This latter change is recommended by legal counsel and the board as a necessary modification in lieu of major increases in liability insurance that might otherwise be requited.

I look forward to meeting you all in Houston and to a continuing successful and productive year for SHEA.

> Walter J. Hierholzer, Jr., MD President, Society of Hospital Epidemiologists of America



A REVOLUTIONARY ORAL ANTIMICROBIAL WITH THE POWER OF PARENTERALS

Highly active in vitro against a broad range of gram-positive and gram-negative pathogens, including methicillin-resistant Staphylococcus aureus and Pseudomonas **aeruginosa***

For treatment of infections in the:

- lower respiratory tract[†]
 skin/skin structure[†]
 bones and joints[†]

I Convenient B.I.D. dosage – 250 mg, 500 mg and 750 mg tablets

*In vitro activity does not necessarily imply a correlation with in vivo results. [†]Due to susceptible strains of indicated pathogens. See indicated organisms in Brief Summary. CIPRO" SHOULD NOT BE USED IN CHILDREN, ADOLESCENTS, OR PREGNANT WOMEN.

A history of hypersensitivity to ciprofloxacin is a contraindication to its use. A history of hypersensitivity to other quinolones may also contraindicate the use of ciprofloxacin.



Miles Inc. Pharmaceutical Division 400 Morgan Lane West Haven, CT 06516

Please see adjacent page of this advertisement for Brief Summary of Prescribing Information.



CONVENIENT B.I.D. DOSAGE **Dosage guidelines** Mild/Moderate Infections*: 500 mg q12h Severe/Complicated Infections*: 750 mg q12h

CIPRO[®] TABLETS (ciprofloxacin HCI/Miles)

BRIEF SUMMARY CONSULT PACKAGE INSERT FOR FULL PRESCRIBING INFORMATION

INDICATIONS AND USAGE Cipro[®] is indicated for the treatment of infections caused by susceptible strains of the designated microorganisms in the conditions listed below

Lower Respiratory Infections caused by Escherichia coli, Klebsiella pneumoniae, Enterobacter cloacae, Proteus mirabilis, Pseudomonas aeruginosa, Haemophilus influenzae, Haemophilus parainfluenzae, and Streptococcus

pneumoniae Skin and Skin Structure Infections caused by Escherichia coli, Klebsiella pneumoniae, Enterobacter cloacae, Proteus mirabilis, Proteus vulgaris, Providencia stuartin, Morganella morganii, Citrobacter freundii. Pseudomonas aeruginosa, Staphylococcus aureus, Staphylococcus epidermidis, and Streptococcus pyogenes Bone and Joint Infections caused by Finerboacter cloacae. Serrata marcescens, and Pseudomonas aeruginosa Urinary Tract Infections caused by Escherichia coli, Klebsiella pneumoniae Enterobacter cloacae, Serrata marces-

Urinary Tract Infections caused by Escherichia coli, Klebsella pneumonae Enterobacter cloacae, Serratamarces-cens Proteus mirabilis, Providencia entegre i Morganella morganu, Citrobacter diversus, Citrobacter freundri, Pseudo-monas aeruginosa. Staphylococcus epidermidis, and Streptococcus faecalis. Infectious Diarrhea caused by Escherichia coli (enterotoxigenic strans) Campylobacter jejum, Shigella flexneri and Shigella sonnei' when antibacterial therapy is Indicated "Eff cacy for this organism in this organ system was studied in fewer than 10 infections CONTRAINDICATIONS A history of hypersensitivity I" ciprofloxacin is a contraindication to its use A history of hypersensitivity to other quinolones may also contraindicate the "se of ciprofloxacin. WARNINGS

WARNINGS

WARNINGS CIPROFLOXACIN SHOULD NOT BE USED IN CHILDREN, ADDLESCENTS OR PREGNANT WOMEN The oral adminis-tration of ciprofloxacin caused lameness in immature dogs Histopathological examination of the weight-bearing joints of these dogs revealed permanent lesions of the cartilage Related drugs such as nalidixicacid, enoxacin, and norfloxacin also produced erosions of cartilage of weight-bearing joints and other signs of arthropathy in immature animals of various species (SEE ANIMAL PHARMACCIOGY SECTION IN FULL PRESCRIBING INFORMATION) **PRECAUTIONS**

General: As with other quinolones, ciproffloxacin may cause central nervous system (CNS) stimulation which may lead to tremor, restlessness. lightheadedness, confusion, and rarely it hallucinations or convulsive setzures There-fore, ciprofloxacin should be used with caution if patients with known or suspected CNS disorders, such as severe cerebral afteriosclerosis or optilopsy, or other factors which previous esizures (SEE ADVERSE REACTIONS) Anaphylactic reactions following the first dose have been reported in patients receiving theray with quinoiones. Some reactions were accompanied by cardiovascular collapse, loss of consciousness, tingling, pharyngeal or facial edema, dyspinea urticaria, and itching Only a few patients had a history of hyperesneitivity reaction. Anaphylactic reactions may require epinephrine and "the, emergency measures Ciprofloxacin should be discontinued at the first sing of hyperesneitivity.

(#actions may requireepinepinine and the, emergency measures unrolection and the measure of measures of the sign of hypersensitivity or allergy. Severe hypersensitivity reactions characterized by rash, fever eosinophila, jaundice and hepatic necrosis with fatal outcome have been reported rarely (less than one per million prescriptions) in patients receiving ciprofloxacin along with other drugs. The possibility that these reactions we, related to ciprofloxacin cannot be excluded Ciprofloxacin should be discontinued at the first appearance of a skin rash or any sign 1 "the, hypersensitivity receiving a sign of the second structure of the second reaction

reaction Crystals at ciprofloxacin have been observed rarely in the urine of human subjects but more frequently in the urine at laboratory animals (SEE ANIMAL PHARMACOLOGY SECTION IN FULL PRESCRIBING INFORMATION) Crystalluria related to ciprofloxacin has been reported only rarely in man, because human urine is usually acidic Patients receiving ciprofloxacin hould be well hydrated, and alkalinity of the urine should be avoided The recommended daily dose should not be exceeded

Alteration of the dosage regimen is necessary for patients with impairment of renal function (SEE DOSAGE AND ADMINISTRATION)

ADMINISTRATION) As with any potent drug periodic assessment of organ system functions, including renal, hepatic, and hemato-poretic function, is advisable during prolonged therapy Drug Interactions: As with other quinolones, ""current administration of ciprofloxacin with theophylline may lead to elevated plasma concentrations of theophylline and prolongation of its elimination half-life This may result in increased risk of theophylline-related adverse reactions if concomitant use cannot be avoided, plasma levels of theophylline should be monitored and dosage adjustments made as appropriate. Quinolones including ciprofloxacin, have also been show 't o interfere with the metabolism of caffeine This may lead to reduced clearance of caffeine and a prolongation of its plasma half-life Antacids containing magnesum hydroxide or aluminum hydroxide may interfere with the absorption of ciproflox-acin resoluting inserum and urine levels lower than desired; concurrent administration of these agents with ciproflox-cancomitant administration of the ponsternidal anti-inflammatory drug fendulen with a quipolone has, been

acin should be avoided Concomilant administration of the nonsteroidal anti-inflammatory drug fenbufen with a quinolone has been reported tomcrease the risk of CNS stimulation and convulsive seizures Probeneoid interferes with the renal tubular secret," of ciprofloxacin and produces an increase in the level of ciprofloxacin in the serum This should be considered if patents are receiving both drugs concomitantly As with other broad-spectrum antibiotics, prolonged use at ciprofloxacin may result in overgrowth of nonsuscepti-ble organisms. Repeated evaluation of the patient's condition and microbial susceptibility testing is essential if superinfection occurs during therapy appropriate measures should be taken Information for Patients: Should be advised that ciprofloxacin may be taken with or without meals. The preferred time of dosing is tw' hours after a meal. Patients should also be advised to drink fluids liberally and not take antacids contaring magnesium or aluminum. Patients should be advised that ciprofloxacin may be taken with or without meals. The preferred time of dosing is two hours after and I b discontinue the drug at the first sign of a skin rash or since a contaring magnesium or aluminum. Patients should be advised that ciprofloxacin may be near sociated with hours ensitivity reactions even following a since dose and to discontinue the drug at the first sing of a skin rash or hypersensitivity reactions even following a single dose and to discontinue the drug at the first sign of a skin rash or

Interface control in the second secon

results

Rat Hepatocyte DNA Repair Assay Micronucleus Test (Mice) Dominant Lethal Test (Mice)

Long-term carcinogenicity studies if rats and mice have been completed After daily oral dosing for up to 2 years. there is no evidence that ciprofloxacin had any carcinogenic or tumorigenic effects in these sp

Pregnancy—Pregnancy Category C: Reproduction studies have bee' performed in rats and mice at doses UP to 6 times the usual daily human dose and have revealed no evidence of impaired fertility or harm to the fetus due to ciprofloxacin in rabbits, as with most antimicrobial agents, ciprofloxacin (30 and 100 mg/kg orally) produced gatrointestinal disturbances resulting in maternal weight loss and an increased incidence of abortion. No terato-genicity was observed at either dose. After intravenous administration, at doses up to 20 mg/kg, no maternal toxicity and the intravenous domination of these are howed at either dose of the other and the set of the other an genicity was observed at either dose. After intravenous administration, at doses up to 20 mg/kg, nomaternalit0xicity was produced, and no embryotoxicity or treatogenicity was observed. There are, however, no adequate and well-controlled studies in pregnant women SINCE CIPROFLOXACIN, LIKE OTHER DRUGS IN ITS CLASS. CAUSES ARTHROPATHY IN IMMATURE ANIMALS, IT SHOULD NOT BE USED IN PREGNANT WOMEN (SEE WARNINGS). **Nursing Mothers:** It is not known whether ciprofloxacin is excreted if human milk. however, it is known that ciprofloxacin is excreted in the milk of lactating rais and that other drugs of this class a, " excreted if human milk Because of this and because of the potential for services adverse reactions fro," ciprofloxacininnursing infants, a decision should be made to discontinue nursing or to discontinue the drug, taking into account the Importance at the drug it the mother

drug if the mother Pediatric Use: Patients under the age of 18 were not included in the clinical trials of ciprofloxacin because ciproflox-acin as well as other quinolones causes arthropathy in immature animals Ciprofloxacin should not be used if children or adolescents (SEE WARNINGS)

ADVERSE REACTIONS

ADVERSE REACTIONS
 Ciprofloxacin is generally well tolerated. During clinical investigation 2 799 patients received 2.868 courses of the
 drug Adverse events that were considered fikely to be drug related occurred r 7 3% of courses, possibly related in
 9 2% and remotely related in 3 0% cliprofloxacin was discontinued because of an adverse event in 3 5% of courses,
 primarily involving the gastrointestinal system (1 5%). skin (0 6%). and central nervous system (0 4%) Those
 vevents typical of quinolones are italicized
 The most frequently reported events, drug related or not, were nausea (5.2%), diarrhea (2 3%), vomiting (2 0%),
 abdominal paintdiscomfort (17%), headache (1 2%), resitessness (1 1%), and rash (1 1%),
 Additional events that occurred in less than 1% of ciprofloxacin courses are listed below
 GASTROINTESTINAL (See above), paintul oral mucosa, oral candidiasis, dysphagia, intestinal perforation,
 gastrointestinal bleeding,
 CENTRAL NERVOUS SYSTEM (See above), distriberadedness, insomma, nightmares, hallucinations,
 mainc reaction, initiability, tremor, ataxia, convulsive seizures, lethargy, drowsiness, weakness, malase, ano reva, phobia, depressionlization depression, paresthesia.
 SkIN/HYPERSENSITIVITY (See above), pruntus, urticaria, photosensitivity, flushing, fever, chills, angioedema,
 nedosum

nodosum nodosum Altergic reactionsranging from urticana to anaphylactic reactions have been reported (SEE PRECAUTIONS) SPECIAL SENSES blurred vision, disturbed vision (change in color perception, overbrightness of lights), decreased visual acuity diplopia, eye pain, tinnitus, hearing loss, bad taste MUSCULOSKELETAL (bint or back pain, joint stiffness, actioniness, neck or chest pain, flare-up of gout. REMALUROGENITAL interstitial nephritis, nephritis, renal failure, polyuria, urinary retention, urethral bleeding, neurotice actions and action and action and actions actions and actions actions and actions actions and actions and actions actions and actions actions actions and actions actions actions and actions actions

vaginitis, acidosis,

Vaginios, actuosis CARDIOVASCULAR palpitations, atrial flutter, ventricular ectopy, syncope, hypertension angina pectoris, myocardial infarction cardiopulmonary arrest, cerebral thrombosis RESPIRATORY epistaxis, laryngeal or pulmonary edema hiccough, hemoptysis, dyspnea, bronchospasm, autonosus vento bronces.

outmonary embolism

purnonary emonism Most of the adverse events reported were described as only mild or moderate in Severity, abated Soon after the drug was discontinued and required no treatment In several instances, nausea, vomiting, tremor resiliessness, agitation, or palpitations were judged by investiga-tors to be related to elevated plasma levels Of theophylline possibly as a result of a drug interaction with ciprotioxacin Other adverse events reported in the postmarketing phase include anaphylactoid reactions. Stevens-Johnson Syndrome, exolicitive dermatitis, toxic epidermal necrolysis, hepatic necrosis, postural hypotension, possible exac-erbation of myasthenia gravs, contusion dysphasia, nystagmus, seeudomembranous collis, dyspensia, flatulence, ond constitution, Mos Acordu uwera acquirulendesis; elevation of serum tidykerdies serum pholesterub, blood eroanin in mysafienia dravis, contosion byspinasa, nystagrinas, bedudinerno antos contis, ovspetera, naturence, and constipation Also &ported were agranulocytosis; elevation of serum triglycerides serum cholesterol, blood glucose, serum potassum; prolongation of prothrombin time, albuminuria; cantiduria, vaginal candidiasis, and renal calculi (SEE_PRECAUTIONS)

Adverse Laboratory Changes: Changes in laboratory parameters listed as adverse events without regard to drug relationshin Hepatic -- Elevations of ALT (SGPT) (1 9%). AST (SGOT) (1.7%). alkaline phosphatase (0 8%), LDH (0 4%)

serum bilirubin (0 3%)

serum bilirubin (0 3%) Cholestatic jaundice has been reported Hematologic — eosimochilia (0 6%). leukopenia (0 4%). decreased blood platelets (0 1%). elevated blood platelets (0 1%), pancytopenia (0 1%) Renal — Elevations of Serum creatinine (1 1%), BUN (0 9%) CRYSTALLURIA, CYLINDRURIA, AND HEMATURIA HAVE BEEN REPORTED. Other changes occurring in less than 0.1% of Courses were. Elevation of serum gammaglutamyl transferase, elevation of serum amylase reduction in blood glucose, elevated unic acid, decrease in hemoglobin, anemia, bleeding diathesis, increase in blood monocytes, and leukocytosis OVEROSAGE OVEROSAGE

Information on overdosage " humans is not available in the event of acute overdosage, the stomach should be emptied by inducing vomiting or by gastric lavage The patient should be carefully observed and given support," treatment Adequate hydration must be maintained Only a small amount of ciprofloxacin (< 10%) is removed from the bedie defined on the patient of the patient should be carefully observed and given support."

the body after hemodialysis or peritonal dialysis DOSAGE AND **ADMINISTRATION** The usual adult dosage for patients with urinary tract infections is 250 mg every 12 hours. For patients with complicated infections caused by organisms not highly susceptible, 500 mg may be administered every 12 hours. Lower respiratory tract infections, sakin and skin structure infections, and bone and joint infections may be treated with 500 mg every 12 hours. For more severe or complicated infections a dosage of 750 mg may be given every 12 hours.

Will solv ing every to note to a method burns The recommended dosage for infectious diarrhea is 500 mg every 12 hours In patients with renal impairment, some modification of dosage is recommended (SEE DOSAGE AND ADMINIS-TRATION SECTION IN FULL PRESCRIBING INFORMATION) HOW SUPPLED Cipro® (ciprofloxacin HCI/Miles) is available as tablets of 520 mg, 500 mg, and 750 mg in bottles of 50 and in Unit-Dose packages of 100 (SEE FULL PRESCRIBING INFORMATION FOR COMPLETE DESCRIPTION)

Printed in U.S.A.

'Due to susceptible strains of indicated pathogens. Secondicated organisms in Prescribing Information.

For further information, contact the Miles Information Service: I-800-642-4776. In VA, call collect: 703-391-7888



COMMITTED TO THERAPEUTIC EFFICIENCY

Miles Inc.

© April 1989, Miles Inc.

Pharmaceutical Division 400 Morgan Lane West Haven, CT 06516 C09618 MIL-6019