

ANTIMICROBIAL AGENTS AND CHEMOTHERAPY

Volume 27

June 1985

No. 6

MECHANISMS OF ACTION: PHYSIOLOGICAL EFFECTS

- Biochemical Mechanisms of the Antileishmanial Activity of Sodium Stibogluconate.** Jonathan D. Berman, David Waddell, and Brian D. Hanson 916-920
- Reverse Inoculum Effect in Bactericidal Activity and Other Variables Affecting Killing of Group B Streptococci by Penicillin.** Liisa Jokipii, Pirkko Brander, and Anssi M. M. Jokipii 948-952
- Inhibition of *Chlamydia trachomatis* Growth in McCoy, HeLa, and Human Prostate Cells by Zinc.** Stephen B. Greenberg, Deborah Harris, Penelope Giles, R. Russell Martin, and Richard J. Wallace, Jr. 953-957
- Elimination of Multicopy Plasmid R6K by Bleomycin.** P. V. Atfield and R. J. Pinney 985-988

MECHANISMS OF RESISTANCE

- Inducible Phenotypic Multidrug Resistance in the Fungus *Mucor racemosus*.** Timothy D. Leathers and Paul S. Sypherd 892-896
- Alteration of Ribosomes and RNA Polymerase in Drug-Resistant Clinical Isolates of *Mycobacterium tuberculosis*.** Takeshi Yamada, Akihisa Nagata, Yasuko Ono, Yasuhiko Suzuki, and Takahisa Yamanouchi 921-924
- Plasmid-Borne or Chromosomally Mediated Resistance by Tn7 Is the Most Common Response to Ubiquitous Use of Trimethoprim.** Rolf Steen and Ola Sköld 933-937
- Purification and Properties of a Novel β -Lactamase from *Fusobacterium nucleatum*.** Kajsa Tunér, Lennart Lindqvist, and Carl Erik Nord 943-947
- Self-Induced Nystatin Resistance in *Dictyostelium discoideum*.** Durgadas P. Kasbekar, Sanford Madigan, and Eugene R. Katz 974-976
- Immunological Comparison Between Oxa-2 β -Lactamase and Those Mediated by Other R Plasmids.** Susan Holland and Jeremy W. Dale 989-991

SUSCEPTIBILITY

- In Vitro Activity of WIN 51711, a New Broad-Spectrum Antipicornavirus Drug.** M. J. Otto, M. P. Fox, M. J. Fancher, M. F. Kuhrt, G. D. Diana, and M. A. McKinlay 883-886
- In Vitro Antibacterial Activities of Antibiotics Against *Pseudomonas aeruginosa* in Peritoneal Dialysis Fluid.** Itamar Shalit, David F. Welch, Venusto H. San Joaquin, and Melvin I. Marks 908-911
- Antimicrobial Susceptibility Patterns and R Plasmid-Mediated Resistance of the Fish Pathogen *Yersinia ruckeri*.** Stephanie A. De Grandis and Roselynn M. W. Stevenson 938-942
- In Vitro Activity of Cefbuperazone and Other Antimicrobial Agents Against Isolates from the Female Genital Tract.** Marilyn J. Ohm-Smith, Richard L. Sweet, and W. Keith Hadley 958-960
- Activity of a Peptidyl Prodrug, Alafosfalin, Against Anaerobic Bacteria.** Sarah F. Grappel, Albert J. Giovenella, and Louis J. Nisbet 961-963
- Comparative In Vitro Activities of Selected Antimicrobial Agents Against *Edwardsiella tarda*.** John F. Reinhardt, S. Fowlston, J. Jones, and W. Lance George 966-967

Continued on following page

In Vitro Activity of Cefbuperazone Against <i>Bacteroides</i> spp. M. Beatriz Souza Dias, Nilda V. Jacobus, Sherwood L. Gorbach, and Francis P. Tally	968-970
Comparative Efficacy and Selectivity of Some Nucleoside Analogs Against Epstein-Barr Virus. Jung-Chung Lin, M. Carolyn Smith, and Joseph S. Pagano	971-973
In Vitro Comparative Antimicrobial Activity of Cefpimizole Against Clinical Isolates from Five Medical Centers. Ronald N. Jones, Leona W. Ayers, Thomas L. Gavan, E. Hugh Gerlach, and Herbert M. Sommers	982-984

ANALYTICAL PROCEDURES

Simultaneous Determination of Dacarbazine, Its Photolytic Degradation Product, 2-Azahypoxanthine, and the Metabolite 5-Aminoimidazole-4-Carboxamide in Plasma and Urine by High-Pressure Liquid Chromatography. Dario Fiore, Andre J. Jackson, Mukund S. Didolkar, and Vijay R. Dandu	977-979
--	---------

EXPERIMENTAL THERAPEUTICS

Enhanced Efficacy of Liposome-Encapsulated Ribavirin Against Rift Valley Fever Virus Infection in Mice. Meir Kende, Carl R. Alving, Wayne L. Rill, Glenn M. Swartz, Jr., and Peter G. Canonico	903-907
Studies with Temocillin in a Hamster Model of Antibiotic-Associated Colitis. Ronald J. Boon and Angela S. Beale	980-981

CLINICAL THERAPEUTICS

Amoxicillin-Clavulanic Acid in the Treatment of Lower Respiratory Tract Infections Caused by β-Lactamase-Positive <i>Haemophilus influenzae</i> and <i>Branhamella catarrhalis</i>. Richard J. Wallace, Jr., Lorraine C. Steele, Dandrea L. Brooks, J. Ileice Luman, Rebecca W. Wilson, and Jerry W. McLarty	912-915
--	---------

PHARMACOLOGY

Forecasting Cephalosporin and Monobactam Antibiotic Half-Lives in Humans from Data Collected in Laboratory Animals. Joyce Mordenti	887-891
Attenuation of Experimental Tobramycin Nephrotoxicity by Ticarcillin. Jan English, David N. Gilbert, Sue Kohlhepp, Paul W. Kohnen, Gilbert Mayor, Donald C. Houghton, and William M. Bennett	897-902
Comparative Pharmacokinetics of Ceftazidime in Fibrin Clots and Cardiac Vegetations in Rabbits with <i>Staphylococcus aureus</i> Endocarditis. Andrew A. McColm and D. Michael Ryan	925-927
Concentrations of Fusidic Acid, Cloxacillin, and Cefamandole in Sera and Atrial Appendages of Patients Undergoing Cardiac Surgery. Michel G. Bergeron, Denis Desaulniers, Céline Lessard, Michel Lemieux, Jean-Paul Després, Jacques Métras, Gilles Raymond, and Gilles Brochu	928-932
Systemic Absorption and Persistence of Tioconazole in Vaginal Fluid after Insertion of a Single 300-mg Tioconazole Ovule. Elizabeth T. Houang and Adam G. Lawrence	964-965

ERRATUM

Effect of Standard Breakfast on Drug Absorption and Multiple-Dose Pharmacokinetics of Ciprofloxacin. Bruno Ledergerber, Jean-David Bettex, Beda Joos, Markus Flepp, and Ruedi Lüthy	992
--	-----