

**AMERICAN JOURNAL TROPICAL MEDICINE AND HYGIENE**  
**VOL. 71, NO. 5, NOVEMBER; 2004**

Articles	
CAROLE FOGG, FRANCIS BAJUNIRWE, PATRICE PIOLA, SAMUEL BIRARO, FRANCESCO CHECCHI, JAMES KIGULI, PROSCOVIA NAMIRO, JOY MUSABE, AGNES KYOMUGISHA, AND JEAN-PAUL GUTHMANN ADHERENCE TO A SIX-DOSE REGIMEN OF ARTEMETHER-LUMEFANTRINE FOR TREATMENT OF UNCOMPLICATED PLASMODIUM FALCIPARUM MALARIA IN UGANDA	525-530
GRANT DORSEY, ANNE F. GASASIRA, RHODERICK MACHEKANO, MOSES R. KAMYA, SARAH G. STAEDKE, AND ALAN HUBBARD THE IMPACT OF AGE, TEMPERATURE, AND PARASITE DENSITY ON TREATMENT OUTCOMES FROM ANTIMALARIAL CLINICAL TRIALS IN KAMPALA, UGANDA	531-536
C. J. VREUGDENHIL, F. Y. SCHEPER, S. R. HOOGSTRAATTE, M. SMOLDERS, S. GIKUNDA, F. G. COBELENS, AND P. A. KAGER COMPARISON OF THE PARASITOLOGIC EFFICACY OF AMODIAQUINE AND SULFADOXINE-PYRIMETHAMINE IN THE TREATMENT OF PLASMODIUM FALCIPARUM MALARIA IN THE BUNGOMA DISTRICT OF WESTERN KENYA	537-541
MUNEHIRO SUGIYAMA, EIJI IKEDA, SATORU KAWAI, TETSUYA HIGUCHI, HONG ZHANG, NASIM KHAN, KATSUMI TOMIYOSHI, TOMIO INOUE, HARUYASU YAMAGUCHI, KEN KATAKURA, KEIGO ENDO, AND MAMORU SUZUKI CEREBRAL METABOLIC REDUCTION IN SEVERE MALARIA: FLUORODEOXYGLUCOSE-POSITRON EMISSION TOMOGRAPHY IMAGING IN A PRIMATE MODEL OF SEVERE HUMAN MALARIA WITH CEREBRAL INVOLVEMENT	542-545
PETER F. SCHOLL, DARIN KONGKASURIYACHAI, PLAMEN A. DEMIREV, ANDREW B. FELDMAN, JEFFREY S. LIN, DAVID J. SULLIVAN, JR., AND NIRBHAY KUMAR RAPID DETECTION OF MALARIA INFECTION IN VIVO BY LASER DESORPTION MASS SPECTROMETRY	546-551
MARTIN MONTES, A. CLINTON WHITE, JR., AND DIMITRIOS P. KONTOYIANNIS SYMPTOMS OF INTESTINAL SCHISTOSOMIASIS PRESENTING DURING TREATMENT OF LARGE B CELL LYMPHOMA	552-553
ROBERT C. SPEAR, BO ZHONG, YONG MAO, ALAN HUBBARD, MERRILL BIRKNER, JUSTIN REMAIS, AND DONGCHUAN QIU SPATIAL AND TEMPORAL VARIABILITY IN SCHISTOSOME CERCARIAL DENSITY DETECTED BY MOUSE BIOASSAYS IN VILLAGE IRRIGATION DITCHES IN SICHUAN, CHINA	554-557
P. COUPPIÉ, E. CLYTI, D. SAINTE-MARIE, J. P. DEDET, B. CARME, AND R. PRADINAUD	558-560

DISSEMINATED CUTANEOUS LEISHMANIASIS DUE TO LEISHMANIA GUYANENSIS: CASE OF A PATIENT WITH 425 LESIONS	
ASRAT HAILU, TOM VAN DER POLL, NEGA BERHE, AND PIET A. KAGER ELEVATED PLASMA LEVELS OF INTERFERON (IFN)-, IFN-INDUCING CYTOKINES, AND IFN- INDUCIBLE CXC CHEMOKINES IN VISCERAL LEISHMANIASIS	561-567
KATHLEEN A. ROGERS AND RICHARD G. TITUS CHARACTERIZATION OF THE EARLY CELLULAR IMMUNE RESPONSE TO LEISHMANIA MAJOR USING PERIPHERAL BLOOD MONONUCLEAR CELLS FROM LEISHMANIA-NAIVE HUMANS	568-576
J. SOTO, L. VALDA-RODRIQUEZ, J. TOLEDO, L. VERA-NAVARRO, M. LUZ, H. MONASTERIOS-TORRICO, J. VEGA, AND J. BERMAN COMPARISON OF GENERIC TO BRANDED PENTAVALENT ANTIMONY FOR TREATMENT OF NEW WORLD CUTANEOUS LEISHMANIASIS	577-581
ELS MATHIEU, DEBORAH A. LEVY, FRAN VEVERKA, MARY-KAY PARRISH, JOHN SARISKY, NANCY SHAPIRO, STEPHANIE JOHNSTON, THOMAS HANDZEL, ALLEN HIGHTOWER, LIHUA XIAO, YEUK-MUI LEE, STEVE YORK, MICHAEL ARROWOOD, ROBIN LEE, AND JEFFREY L. JONES EPIDEMIOLOGIC AND ENVIRONMENTAL INVESTIGATION OF A RECREATIONAL WATER OUTBREAK CAUSED BY TWO GENOTYPES OF CRYPTOSPORIDIUM PARVUM IN OHIO IN 2000	582-589
PATRICIO DIOSQUE, ANGEL MARCELO PADILLA, RUBÉN OSCAR CIMINO, RUBÉN MARINO CARDOZO, OLGA SANCHEZ NEGRETTE, JORGE DIEGO MARCO, ROSA ZACCA, CARLOS MEZA, ALIGIO JUAREZ, HUGO ROJO, RICARDO REY, ROSA MILAGROS CORRALES, JULIO RUBÉN NASSER, AND MIGUEL ANGEL BASOMBRÍO CHAGAS DISEASE IN RURAL AREAS OF CHACO PROVINCE, ARGENTINA: EPIDEMIOLOGIC SURVEY IN HUMANS, RESERVOIRS, AND VECTORS	590-593
ANA LUCIA S. S. ANDRADE, CELINA M. T. MARTELLI, RENATO M. OLIVEIRA, SIMONNE A. SILVA, ANDRÉA I. S. AIRES, LEA M. T. SOUSSUMI, DIMAS T. COVAS, LUIZ S. SILVA, JOÃO G. ANDRADE, LUIZ R. TRAVASSOS, AND IGOR C. ALMEIDA SHORT REPORT: BENZNIDAZOLE EFFICACY AMONG TRYPANOSOMA CRUZI-INFECTED ADOLESCENTS AFTER A SIX-YEAR FOLLOW-UP	594-597
MADSEN V. E. BEAU DE ROCHARS, M. DENISE MILORD, YVAN	598-601

ST. JEAN, ANNE M. DÉSORMEAUX, JEAN J. DORVIL, JACK G. LAFONTANT, DAVID G. ADDISS, AND THOMAS G. STREIT GEOGRAPHIC DISTRIBUTION OF LYMPHATIC FILARIASIS IN HAITI	
EDDIE W. CUPP, BRIAN O. DUKE, CHARLES D. MACKENZIE, JOSE RUMBEA GUZMÁN, JUAN CARLOS VIEIRA, JORGE MENDEZ-GALVAN, JULIO CASTRO, FRANK RICHARDS, MAURICIO SAUERBREY, ALFREDO DOMINGUEZ, ROB R. EVERSOLE, AND MARY S. CUPP THE EFFECTS OF LONG-TERM COMMUNITY LEVEL TREATMENT WITH IVERMECTIN (MECTIZAN(r)) ON ADULT ONCHOCERCA VOLVULUS IN LATIN AMERICA	602-607
A. C. KOTZE, S. CLIFFORD, J. O'GRADY, J. M. BEHNKE, AND J. S. McCARTHY AN IN VITRO LARVAL MOTILITY ASSAY TO DETERMINE ANTHELMINTIC SENSITIVITY FOR HUMAN HOOKWORM AND STRONGYLOIDES SPECIES	608-616
JONG-YIL CHAI, JAE-HWAN PARK, EUN-TAEK HAN, EUN-HEE SHIN, JAE-LIP KIM, SANG-MEE GUK, KWANG-SUN HONG, SOON-HYUNG LEE, AND HAN-JONG RIM PREVALENCE OF HETEROPHYES NOCENS AND PYGYDIOPSIS SUMMA INFECTIONS AMONG RESIDENTS OF THE WESTERN AND SOUTHERN COASTAL ISLANDS OF THE REPUBLIC OF KOREA	617-622
KANYARAT KRAIVICHIAN, SURANG NUCHPRAYOON, PRASERT SITICHALERNCHAI, WANPEN CHAICUMPA, AND SUTIN YENTAKAM TREATMENT OF CUTANEOUS GNATHOSTOMIASIS WITH IVERMECTIN	623-628
MICHELLE L. GATTON, LOUISE A. KELLY-HOPE, BRIAN H. KAY, AND PETER A. RYAN SPATIAL-TEMPORAL ANALYSIS OF ROSS RIVER VIRUS DISEASE PATTERNS IN QUEENSLAND, AUSTRALIA	629-635
WEIDONG GU AND ROBERT J. NOVAK SHORT REPORT: DETECTION PROBABILITY OF ARBOVIRUS INFECTION IN MOSQUITO POPULATIONS	636-638
KONSTANTIN V. PUGACHEV, FARSHAD GUIRAKHOO, FRED MITCHELL, SIMEON W. OCRAN, MEGAN PARSONS, BARBARA W. JOHNSON, OLGA L. KOSOY, ROBERT S. LANCIOTTI, JOHN T. ROEHRIG, DENNIS W. TRENT, AND THOMAS P. MONATH CONSTRUCTION OF YELLOW FEVER/ST. LOUIS ENCEPHALITIS CHIMERIC VIRUS AND THE USE OF CHIMERAS AS A DIAGNOSTIC TOOL	639-645
JOÃO B. SIQUEIRA, CELINA M. T. MARTELLI, IVAN J. MACIEL, RENATO M. OLIVEIRA, MARIA G. RIBEIRO, FLÚVIA P. AMORIM, BRUNO C. MOREIRA, DIVINA D. P. CARDOSO,	646-651

WAYNER V. SOUZA, AND ANA LÚCIA S. S. ANDRADE HOUSEHOLD SURVEY OF DENGUE INFECTION IN CENTRAL BRAZIL: SPATIAL POINT PATTERN ANALYSIS AND RISK FACTORS ASSESSMENT	
LIZETTE GIL, GREGORIO MARTÍNEZ, ROLANDO TÁPANES, OSVALDO CASTRO, DANIEL GONZÁLEZ, LIDICE BERNARDO, SUSANA VÁZQUEZ, GUSTAVO KOURÍ, AND MARÍA G. GUZMÁN OXIDATIVE STRESS IN ADULT DENGUE PATIENTS	652-657
SILVANA LEVIS, JORGE GARCIA, NOEMÍ PINI, GLADYS CALDERÓN, JOSEFINA RAMÍREZ, DANIEL BRAVO, STEPHEN ST. JEOR, CARLOS RIPOLL, MARIANA BEGO, ELENA LOZANO, RUBÉN BARQUEZ, THOMAS G. KSIAZEK, AND DELIA ENRIA HANTAVIRUS PULMONARY SYNDROME IN NORTHWESTERN ARGENTINA: CIRCULATION OF LAGUNA NEGRA VIRUS ASSOCIATED WITH CALOMYS CALLOSUS	658-663
JORGE E. PINZON, JAMES M. WILSON, COMPTON J. TUCKER, RAY ARTHUR, PETER B. JAHRLING, AND PIERRE FORMENTY TRIGGER EVENTS: ENVIROCLIMATIC COUPLING OF EBOLA HEMORRHAGIC FEVER OUTBREAKS	664-674
HUBERT DARIUS J. DANIEL, ASWIN WARIER, PRIYA ABRAHAM, AND GOPALAN SRIDHARAN AGE-WISE EXPOSURE RATES TO HEPATITIS E VIRUS IN A SOUTHERN INDIAN PATIENT POPULATION WITHOUT LIVER DISEASE	675-678
GISNER A. S. PEREIRA, MARIANE M. A. STEFANI, JOÃO A. ARAÚJO FILHO, LUÍS CARLOS S. SOUZA, GERMANA P. STEFANI, AND CELINA M. T. MARTELLI HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1) AND MYCOBACTERIUM LEPRAE CO-INFECTION: HIV-1 SUBTYPES AND CLINICAL, IMMUNOLOGIC, AND HISTOPATHOLOGIC PROFILES IN A BRAZILIAN COHORT	679-684
CLINTON K. MURRAY, MICHAEL W. ELLIS, AND DUANE R. HOSPENTHAL SUSCEPTIBILITY OF LEPTOSPIRA SEROVARS TO ANTIMALARIAL AGENTS	685-686
NAOKO WAKIMOTO, JUNICHIRO NISHI, JALALUDDIN SHEIKH, JAMES P. NATARO, JAV SARANTUYA, MAYUMI IWASHITA, KUNIHIRO MANAGO, KOICHI TOKUDA, MASAO YOSHINAGA, AND YOSHIFUMI KAWANO QUANTITATIVE BIOFILM ASSAY USING A MICROTITER PLATE TO SCREEN FOR ENTEROAGGREGATIVE ESCHERICHIA COLI	687-690
STEFFEN BORRMANN, SUNNY OYAKHIROME, GILBERT ESSER, CORDULA TRINKLE, SAADOU ISSIFOU, MARTIN P. GROBUSCH, SANJEEV KRISHNA, AND PETER G. KREMSNER	691-692

SHORT REPORT: EVALUATION OF A SIMPLE AND INEXPENSIVE PHOTOMETRIC DEVICE FOR THE MEASUREMENT OF HEMOGLOBIN	
<b>VOL. 71, NO. SUPPL 5, NOVEMBER; 2004</b>	
Articles	
Executive Summary	iii
Eric A. Ottesen AND Gary J. Weil 1. INTRODUCTION	1-2
Patrick J. Lammie 2. RESEARCH DIRECTLY LINKED WITH GPELF ACTIVITIES (OPERATIONAL RESEARCH): 2.1 ESSENTIAL TOOLS-DIAGNOSTICS	3-6
Mark H. Bradley AND V. Kumaraswami 2.2 ESSENTIAL TOOLS-DRUGS AND CLINICAL DRUG TRIALS	7-11
David G. Addiss AND Charles Mackenzie 2.3 LF DISEASE-CLINICAL MANAGEMENT	12-15
Mwele Malecela-Lazaro AND Nana Twum-Danso 2.4 PROGRAM IMPLEMENTATION	16-19
John O. Gyapong 2.5 MONITORING AND EVALUATION	20-21
K. Yankum Dadzie, Maria-Gloria Basáñez, AND Frank Richards 2.6 EPIDEMIOLOGY, PARASITE BIOLOGY, MODELING	22-23
Thomas Burkot AND Moses Bockarie 2.7 VECTORS	24-26
Deborah A. McFarland AND Laura C. Barrett 2.8 HEALTH SYSTEMS	27-28
Christopher L. King AND James W. Kazura 3. UPSTREAM RESEARCH TO SUPPORT THE GPELF (BASIC RESEARCH): 3.1 PATHOGENESIS	29-33
Achim Hoerauf AND Cathy Steel 3.2 PROTECTIVE IMMUNITY-VACCINES	34-36
Steven A. Williams 3.3 FILARIAL GENOMICS	37-40
ANNEX 1 The Lymphatic Filariasis (LF) Research Forum: Towards Developing a Strategic Plan for Research to Support the Global Program to Eliminate LF (GPELF)	41
ANNEX 2 Working Groups and Section Contributors	42
ANNEX 3A Lymphatic Filariasis Forum Participants	43-45
ANNEX 3B Working Group on LF and Health Systems-Participants	46