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Schistosomiasis Control In China Diagnostics

Schistosomiasis Control in China Diagnostics and Control Strategies Leading to Success Series: Challenges in Public Health Pauline Grys. Schistosomiasis is one of the most prevalent parasitic diseases worldwide and continues to be a public health

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concern in many countries. China made huge progress in the control of Schistosomiasis japonica ...

2 Methods and materials : Schistosomiasis Control in China

Schistosomiasis Control in China Diagnostics and Control Strategies Leading to Success 1st Edition by Pauline Grys and Publisher Peter Lang GmbH, Internationaler Verlag der Wissenschaften. Save up to 80% by choosing the eTextbook option for ISBN: 9783631697467, 3631697465. The print version of this textbook is ISBN: 9783631667323, 3631667329.

Schistosomiasis Control in China 1st edition ...

This book covers all details for a successful control and elimination strategy against propagation of deadly liver and intestinal flukes of the genus Schistosoma in China. Cancer due to schistosomiasis is still common in subtropical countries and

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affords hundred thousands of human and animal deaths per year. Expert authors pay close attention to the biology and morphologic aspects of Schistosoma species as well as the history and status quo of schistosomiasis epidemiology.

Schistosomiasis Control in China | SpringerLink

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Challenges in Public Health Ser.: Schistosomiasis Control

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After five decades' of effort, China has made great achievements in schistosomiasis control and the infection prevalence and intensity of schistosomiasis in humans have decreased to a

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relatively low level [6,8]. The achievement, to a large extent, is attributable to praziquantel-based chemotherapy, and prompts an increasing understanding of the need for sufficiently sensitive and specific diagnostic or screening techniques of schistosomiasis in low transmission settings.

A diagnostic challenge for schistosomiasis japonica in ...

Over the last sixty years advances have been made in the control of schistosomiasis in P.R. China. There are, however, difficult challenges still to be met. This paper looks at the extent to which the health system offers a positive environment for the control of the disease. It starts by tracing th ...

Schistosomiasis control and the health system in P.R. China

In view of the remaining challenges for sustainable control of schistosomiasis in China, mid-term and long-term goals have

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been developed: ie, reduce prevalence of infection by *S japonicum* below 5% by 2008 (infection control) and decrease infection below 1% by 2015 (transmission control) in all endemic areas. To achieve these targets, 5

Schistosomiasis control: experiences and lessons from China

The National Institute of Parasitic Diseases at the Chinese Center for Diseases Control and Prevention, and Chinese Center for Tropical Diseases Research (NIPD-CTDR), as the only professional institution focussing on parasitic diseases at the national level, has played an important role in schistosomiasis control in the country.

Contributions and achievements on schistosomiasis control ...

The simplicity of the diagnostic techniques, the safety and ease

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of administering oral anti-schistosoma! drugs, the use of snail control measures based on specific epidemiological criteria, and precise methods of data collection and analysis, mean that schistosomiasis control activities can be adapted to suit any level of the health care ...

WHO | The control of schistosomiasis

In spite of great progress in controlling the disease, it is still one of the most serious parasitic diseases in the country. The study and use of diagnostic techniques play an important role in the targeting of chemotherapy that has been continuously applied in the national schistosomiasis control programme for several decades.

Development and Application of Diagnostics in the National ...

The control of schistosomiasis is based on large-scale treatment

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of at-risk population groups, access to safe water, improved sanitation, hygiene education, and snail control. The WHO strategy for schistosomiasis control focuses on reducing disease through periodic, targeted treatment with praziquantel through the large-scale treatment (preventive chemotherapy) of affected populations.

Schistosomiasis - World Health Organization

Diagnostics for schistosomiasis in Africa and Arabia: a review of present options in control and future needs for elimination - Volume 141 Issue 14 - J. RUSSELL STOTHARD, MICHELLE C. STANTON, AMAYA L. BUSTINDUY, JOSÉ C. SOUSA-FIGUEIREDO, GOVERT J. VAN DAM, MARTHA BETSON, DAVID WATERHOUSE, STEVE WARD, FIONA ALLAN, AMIR A. HASSAN, MOHAMMAD A. AL-HELAL, ZIAD A. MEMISH, DAVID ROLLINSON

Diagnostics for schistosomiasis in Africa and Arabia: a ...

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Using urine as a non-invasive sample methodology, the UCP-LF CAA assay has recently been used to evaluate advanced schistosomiasis japonica screening and control programmes in China, showing evidence that triplicate Kato-Katz thick smears might underestimate the prevalence of active *S. japonicum* infections by a factor of 10 compared with the UCP-LF CAA assay.

New diagnostic tools in schistosomiasis - ScienceDirect

Control measures can include mass drug treatment of entire communities and targeted treatment of school-age children. Some of the problems with control of schistosomiasis include: Chemicals used to eliminate snails in freshwater sources may harm other species of animals in the water and, if treatment is not sustained, the snails may return to those sites afterwards.

CDC - Schistosomiasis - Prevention & Control

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Schistosomiasis is one of neglected tropical diseases in the world. China has made great achievements in schistosomiasis control through integrated interventions.

(PDF) Value of a novel diagnostics of rSP13-ELISA toward

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Challenges due to the lack of sensitive diagnostic tools for monitoring and validating stages of elimination in regards to low-prevalence settings and low intensity infections were discussed in articles pertaining to schistosomiasis control programs in Morocco , Venezuela [21, 23], Oman and P.R. China . High-quality surveillance and mapping requires sensitive tools for assessing the epidemiology and detecting re-emergence in humans, animals and vectors.

Core components, concepts and strategies for parasitic and ...

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Schistosomiasis, also known as bilharzia, is a disease caused by parasitic worms. Although the worms that cause schistosomiasis are not found in the United States, people are infected worldwide. In terms of impact this disease is second only to malaria as the most devastating parasitic disease.

CDC - Schistosomiasis

In China, the most important animal reservoirs are bovine, including cattle, and particularly water buffalo (3, 8, 16, 22). Thus, the control of bovine schistosomiasis is critical for reducing disease prevalence in China. Schistosomiasis diagnosis is essential for epidemiology surveys and for evaluating the efficacy of control programs.

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