

# Schistosomiasis Control In China Diagnostics And Control Strategies Leading To Success Challenges In Public

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## **Schistosomiasis Control In China Diagnostics**

1. Adv Parasitol. 2016;92:409-34. doi: 10.1016/bs.apar.2016.02.008. Epub 2016 Apr 7. Development and Application of Diagnostics in the National Schistosomiasis Control Programme in The People's Republic of China.

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## **Development and Application of Diagnostics in the National ...**

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 affords hundred thousands of human and animal deaths per year.

## **Schistosomiasis Control in China | SpringerLink**

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

## **2 Methods and materials : Schistosomiasis Control in China**

Schistosomiasis Control in China Diagnostics and Control Strategies Leading to Success 1st Edition by Pauline Gryś 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 ...**

Schistosomiasis is a chronic and debilitating disease that also exacerbates poverty. The disease is endemic in the tropics and subtropics, including China.<sup>1,2</sup> Worldwide, almost 800 million individuals are at risk. About 200 million people are infected, over half of whom have various degrees of morbidity,<sup>2</sup> which leads to a disease burden that might be as high as 4.5 million disability-adjusted ...

## **Schistosomiasis control: experiences and lessons from China**

For example, in China the number of human schistosomiasis cases was reduced by 90% over the

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decade from 2004 through human case detection and treatment, health education and snail control . Additionally, China has had a strong political will for many decades to eliminate schistosomiasis, since control options were first instigated by Chairman Mao in 1956, who made its elimination a national ...

## **DNA Diagnostics for Schistosomiasis Control**

To strengthening the capacity for schistosomiasis diagnostics, the Chinese Centres for Disease Control (China CDC) organizes since 2009 a diagnostic platform run through a set of reference or sentinel laboratories for external quality control activities, and also holds training courses.

## **3. Diagnostic Applications in the National Schistosomiasis ...**

Schistosomiasis japonica is an ancient parasitic disease that has severely impacted human health causing a substantial disease burden not only to the Chinese people but also residents of other countries such as the Philippines, Indonesia and, before the 1970s, Japan. Since the founding of the new People's Republic of China (P. R. China), effective control strategies have been implemented ...

## **Frontiers | Current Status of Schistosomiasis Control and ...**

An overview of schistosomiasis control in the People's Republic of China and the Philippines is presented. Whilst the Chinese have managed to reduce the number of *Schistosoma japonicum* infections from an estimated 11.6 million to well below 1 million since 1950, the corresponding drop in the Philippines is less pronounced: from 700,000 in 1975 to currently 560,000.

## **Controlling schistosomiasis in Southeast Asia: a tale of ...**

For example, in China the number of human schistosomiasis cases was reduced by 90% over the decade from 2004 through human case detection and treatment, health education and snail control [6]. Additionally, ... DNA Diagnostics for Schistosomiasis Control ...

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## **DNA Diagnostics for Schistosomiasis Control**

Following the discovery of praziquantel, the global strategy of schistosomiasis control shifted from transmission control to morbidity control . In China the praziquantel-based morbidity control strategy has been practiced on a large scale in endemic regions since the 1990s, especially during the 10-year World Bank Loan Project (WBLP), which ran from 1992 to 2001 [ 8 ].

## **A diagnostic challenge for schistosomiasis japonica in ...**

At present, selective chemotherapy with praziquantel is one of the main strategies in China's National Schistosomiasis Control Program, and thus diagnosis of infected individuals is a key step for such control. In this paper we review the current status of our knowledge about diagnostic tools for schistosomiasis japonica.

## **A diagnostic challenge for schistosomiasis japonica in ...**

In this article, we look back at the changes of schistosomiasis endemicity and the contribution of NIPD-CTDR to the national schistosomiasis control programme. We review NIPD-CTDR's activities, including field investigations, design of control strategies and measures, development of diagnostics and drugs, surveillance-response of endemic situation, and monitoring & evaluation of the programme.

## **Contributions and achievements on schistosomiasis control ...**

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.

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## **CDC - Schistosomiasis - Prevention & Control**

tional schistosomiasis control programme for several decades. This paper reviews the development and application of parasitological, immunodiagnostic and molecular diagnostic technology for *S. japonicum* in The People's Republic of China with a brief mention of diagnostic imagery, such as ultrasound and radiology.

## **Schistosomiasis in The People's Republic of China: from ...**

Diagnostic techniques in schistosomiasis control. A review. Author links open overlay panel ... evaluation of chemotherapy and control measures all require the results from diagnostic ... and application of diagnostics in the national schistosomiasis control programme in The People's Republic of China. 2016, *Advances in Parasitology*.

## **Diagnostic techniques in schistosomiasis control. A review ...**

The People's Republic of China (P. R. China) has made significant progress on schistosomiasis control. Among the 12 provincial-level administrative divisions (PLADs) with schistosomiasis endemic in P. R. China, Guangdong, Shanghai, Fujian, Guangxi and Zhejiang PLADs (following as five PLADs) had successively eliminated schistosomiasis during 1985–1995.

## **Surveillance on schistosomiasis in five provincial-level ...**

The implementation of schistosomiasis control activities assignment, human schistosomiasis examination and treatment, snail control with chemical treatment and health education reduced by 44.26% to 91.56% as compared to 2019 during the same time period, and the schistosomiasis control program was more affected by COVID-19 in transmission-controlled provinces.

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