

ICS 11.020
CCS C 61



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 16397-2011

Replacing GB 16397-1996

**Effect judging for preventive measures of Kaschin-Beck
disease**

大骨节病预防控制措施效果判定

(English Translation)

Issued on: December 30, 2011

Implemented on: February 1, 2012

**Issued by: People's Republic of China Ministry of Health, Standardization
Administration of China**

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Foreword

All technical contents of this standard is mandatory.

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard replaces GB 16397-1996 "KBD preventive effect on the determination." this standard and GB 16397-1996 comparison, the main changes are as follows.

- Increasing the terms and definitions;
- The control effects of prevention and control measures to effect;
- Remove the original standard "invalid" criteria in the "early";
- No increase II ° and no more cases have occurred early epiphyseal closure and triad cases and effective in determining standards;
- The observation period to three years;
- Increase in Appendix A.

This standard is proposed and administered by the People's Republic of China Ministry of Health.

This standard by the People's Republic of China Ministry of Health is responsible for interpretation.

This standard was drafted. CDC Sichuan Endemic Disease Prevention and Control, Chinese Center for Disease Control of Endemic Diseases Control Center, Xi'an Jiaotong University, Jilin Institute of Endemic Diseases Prevention second.

1 Scope

This standard specifies the Kashin-Beck disease prevention and control measures to effect the determination index.

This standard applies to all kinds of prevention and control measures the effect of KBD endemic area determined.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB 16395 KBD endemic and criteria for the classification determination WS/T 207 KBD diagnosis

3 Terms and Definitions

The following terms and definitions apply to this document.

KBD precautions prevention measures of Kashin-Beck disease According to Kashin-Beck disease etiology of the latest results, for the cause of a chain link or more aspects of the blockade measures.

Triad triad

X-ray film examination anteroposterior hand, metaphyseal bone end, the epiphysis, the carpal four parts, the three parts of KBD X-ray findings.

4.1 Markedly

In accordance with the requirements of Appendix A, and after implementing preventive measures to ward three years, it should also have the following two can be judged to have a significant effect (Jane He said markedly).

- a) observation of the original population without clinical I of new cases and over;
- b) the observation of the population without KBD X-ray-positive cases.

4.2 Effective

In accordance with the requirements of Appendix A, and after implementing preventive measures to ward three years, it should also have the following two can be determined to be valid.

- a) the original observation group I clinical incidence of $\leq 2\%$, and no more cases occurred

and II degree;

b) the observed X-ray positive rate of population $\leq 10\%$ and the positive rate of bone ends $\leq 3\%$, and no early epiphyseal closure and triad cases.

4.3 Invalid

In accordance with the requirements of Appendix A, and after implementing preventive measures to ward three years, with the following one, could be judged as invalid.

a) the original population was observed in clinical I degree or higher incidence $> 2\%$;

b) the crowd observed X-ray positive rate of $> 10\%$, or bone-side positive rate $> 3\%$.

Appendix A

(Normative)

Kashin-Beck Disease Prevention in judgment conditions require A.1 observation ward selection Determined in accordance with GB 16395 wards, select the active disease severity index > 50 Ward of a village or several. Such as the condition level of activity no index > 50 Ward village, you can choose the degree of active disease in the index between 12 to 50 wards village one or more disease refers to the level of activity Calculation formula, see formula (A.1).

Active disease severity index = Metaphyseal lesion detection Listings Number of subjects Metaphyseal lesions, "", "" total detection number $\div$ Metaphyseal lesions detected total number $\times 100$ (A.1) A.2 crowd observe conditions and counting Continuous residence in the ward for six months or more, and the local drinking water and eating local food for children age 7 to 9 years of age, the number of not less than 100 people observed the end dropout rate does not exceed 10%.

A.3 observe the health status of populations Observe the initial stage, X-ray examination no right anteroposterior KBD change.

A.4 observation period from March to April each year to conduct a clinical observation and X-ray film, observed for 3 consecutive years.

A.5 X-ray film site

Hand radiographs (including wrist).

A.6 X line case diagnosis Specific diagnostic methods, see WS/T 207.

A.7 establish reasonable control in the same ward, select the sex, age, the number of people observe the same as the control group.