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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

WS/T 694-2020

Technical requirements for health protection in temporary special places for medical observation and treatment during the new crown pneumonia epidemic

(English Translation)

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Foreword

All technical content of this standard is mandatory.

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

The main drafting organizations of this standard. China Center for Disease Control and Prevention Environmental and Health Related Product Safety Institute, Huazhong University of Science and Technology, Wuhan Han City Center for Disease Control and Prevention, Beijing Labor Protection Research Institute.

1 Scope

This standard specifies general requirements, disinfection measures, and personal protection for temporary special places for medical observation and treatment during the new crown pneumonia epidemic.

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Nursing and sanitation management, etc.

This standard is applicable to the renovation of indoor sports venues, exhibition halls, hotels, schools, etc. as the new crown pneumonia epidemic.

Temporary special places such as treatment of patients with symptoms, isolation of suspected patients, and medical observation of close contacts.

2 Normative references

The following documents are indispensable for the application of this document. Among them, all dated reference documents, only dated versions Applies to this document. For undated references, only the latest version (including all amendments) applies to this document.

GB 5749 Sanitary Standard for Drinking Water GB 18466 Water Pollutant Discharge Standard for Medical Institutions GB 19193 General rules for disinfection of foci GB 50849 Code for architectural design of infectious disease hospitals WS/T 311 Hospital isolation technical specifications WS/T 396 Specification for cleaning and disinfection of centralized air conditioning and ventilation systems in public places Medical Waste Management Regulations Medical Waste Management Measures for Medical and Health Institutions Former Ministry of Health Technical Guidelines for Hospital Sewage Treatment Former State Environmental Protection Administration

3 Terms and definitions

The following terms and definitions apply to this document.

Temporary special places During the new crown pneumonia epidemic, it was transformed into a temporary site for treatment of mild patients, isolation of suspected patients, and medical observation of close contacts.

Contaminated area

Areas where mild patients and suspected patients receive treatment, and items contaminated by their blood, body fluids, secretions, excreta, etc. temporarily Storage sites and article handling sites, including wards, disposal rooms, dirt rooms, and patient admission and discharge rooms.

Semi-contaminated area Located between the clean area and the contaminated area, areas that may be contaminated by patients' blood, body fluids or pathogenic microorganisms, including medical personnel Staff's office, treatment room, nurse station, inner corridor, items used by patients and medical equipment processing room, etc.

Clean area

Areas that are not susceptible to contamination by patients' blood, body fluids and

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pathogenic microorganisms, as well as areas forbidden to enter by patients with infectious diseases, including medical personnel Duty room, bathroom, toilet, storage room, etc.

Two passages

Contaminate channels and clean channels. Contaminated channels include access and transfer channels for mild patients, suspected patients, close contacts, etc.

Clean channels include healthy medical and staff access channels.

4.1.1 Site selection requirements

4.1.1.1
Mainly renovate indoor stadiums, exhibition halls, etc. as temporary treatment places for patients with mild new coronary pneumonia (such as shelter hospitals) Wait).

4.1.1.2
The site selection should try to avoid high-density residential areas, kindergartens, schools and other crowded activity areas.

4.1.1.3
There should be at least 20 m greening and isolation between the site and surrounding buildings. When there is no greening conditions, its isolation and sanitary distance should not be less than 30 m.

4.1.1.4
Set up obvious danger signs on the periphery of the site.

4.1.2 Construction requirements

4.1.2.1
The site building should have a suitable orientation and meet the basic requirements of safety, lighting, sunshine, ventilation, and fire protection.

4.1.2.2
Underground space should not be transformed into such temporary special places.

4.1.3 Functional partition

4.1.3.1
The premises are generally operated and used according to "contaminated area, semi-contaminated area, clean area" and "contaminated passage, clean passage".

The "two channels" should be completely separated.

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4.1.3.2
Each partition shall be physically separated and clearly marked.

4.1.3.3
Set up a buffer room between the contaminated area and the semi-contaminated area.

4.1.3.4
The hospital bed area should be divided into beds and men and women. The number of hospital beds in each area should not be more than 50, and the space between beds is 1.2 m the above. Each bed should be equipped with bedding, bedside tables, storage bins, trash cans and other necessary personal daily necessities.

4.1.4 Water supply

Each hospital bed area should have a separate drinking water supply point, and provide tap water and boiling water. The quality of drinking water should comply with GB 5749 Requirements.

4.1.5 Ventilation

4.1.5.1
A mechanical ventilation system should be installed in the site. The mechanical air supply and exhaust system in the contaminated area, semi-contaminated area, and clean area in the site should be divided by area the domains are set independently to ensure ventilation in the premises.

4.1.5.2
Clean air should first pass through the clean area, and then flow to the semi-contaminated area and the polluted area.

4.1.5.3
Use natural ventilation or mechanical ventilation in small spaces such as clean areas.

4.1.5.4
Natural ventilation should be used in polluted and semi-polluted areas; when mechanical exhaust ventilation is used in polluted areas, the exhaust air volume should be more than the air supply volume.

10% less.

4.1.5.5
If a centralized air-conditioning system is used in a polluted area, the full-air air-conditioning system should be operated at the maximum fresh air volume and the return air should be turned off as much as possible.

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