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Program of Pattern Evaluation of Electrocardiograph

心电图机型式评价大纲

(English Translation)

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Introduction

This outline is simulated ECG machine type evaluation basis.

The preparation of the outline to JJG543-2008 "ECG", GB/T 14710-2009 "Medical Electrical Environment Requirements and test methods ", GB/T 17626.2-2006"

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Electromagnetic compatibility - Testing and measurement techniques - Electrostatic discharge immunity Test ", GB/T 17626.4-2008" Electromagnetic compatibility Testing and measurement techniques - Electrical fast transient burst immunity Test ", GB/T 17626.5-2008" Electromagnetic compatibility test and measurement technology surge (impact) immunity test Test "and GB/T 17626.11-2008" electromagnetic compatibility test and measurement techniques - Voltage dips, short interruptions and Voltage variations immunity tests "basis.

This outline is the first release.

ECG machine type evaluation outline

1 Scope

This type of evaluation framework for real-time measurement of body surface potential cardiac analog single-channel, multi-channel electrocardiograph the pattern evaluation.

2. References

This outline references the following documents.

JJG543-2008 ECG

GB/T 14710-2009 medical electrical environmental requirements and test methods GB/T 17626.2-2006 Electromagnetic compatibility - Testing and measurement techniques - Electrostatic discharge immunity test GB/T 17626.4-2008 Electromagnetic compatibility - Testing and measurement techniques - Electrical fast transient burst immunity test GB/T 17626.5-2008 Electromagnetic compatibility - Testing and measurement techniques - Surge (impact) immunity test GB/T 17626.11-2008 Electromagnetic compatibility Testing and measurement techniques - Voltage dips, short interruptions and voltage Variations immunity tests these documents contain provisions which through reference in this syllabus constitute provisions of this outline. For dated reference documents Members, release date only applies to this outline, however, encourage the parties according to research whether this outline agreement Use the latest versions of these files. For undated references, the latest edition (including all amendments) Apply to this syllabus.

3 Overview

ECG tracings is heart tissue activity of biological signals generated by the instruments for clinical diagnosis and for medical Biological wave, which is mainly composed of an input circuit, amplifiers and recorders and other components, divided into single-channel ECG and multi-channel electrocardiograph. Single Channel ECG electrocardiogram by the way is an analog linear amplifier and recorder composition Machine; multi-channel ECG machine is a multi-channel linear amplifier and an analog recording device consisting of ECG machine.

Block diagram of Figure 1 ECG machine 4 legal management requirements 4.1 units of

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measurement requirements

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