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TECHNICAL REPORT



**High frequency surgical equipment and high frequency surgical accessories –
Operation and maintenance**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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CONTENTS

FOREWORD.....	4
INTRODUCTION.....	2
1 Scope.....	7
2 Normative references	7
3 Terms and definitions	7
4 General information regarding HF SURGICAL EQUIPMENT	12
5 Recommended practices before use	13
5.1 Inspection of HF SURGICAL EQUIPMENT and hf surgical accessories before use.....	13
5.2 Preparation.....	14
5.3 Handling of NEUTRAL ELECTRODES, HF SURGICAL ACCESSORIES, cables and connections	14
5.4 PATIENTS with active implants (active implantable electronic medical devices)	15
5.5 Simultaneous use of two items of HF SURGICAL EQUIPMENT	15
5.6 Instructions for use	16
6 Recommended practices during use	16
7 Recommended practices after use.....	16
8 Nature of HAZARDS	17
8.1 General.....	17
8.2 HF SURGICAL EQUIPMENT related HAZARDS	17
8.2.1 Incompatible combinations	17
8.2.2 Electromagnetic compatibility	17
8.2.3 Misconnection of ACTIVE ACCESSORIES.....	17
8.2.4 Specialty HF SURGICAL EQUIPMENT.....	17
8.3 ACTIVE ACCESSORY related HAZARDS	18
8.3.1 Incompatible combinations	18
8.3.2 Environment of use.....	18
8.3.3 Misuse.....	19
8.4 OPERATOR-related HAZARDS	19
8.4.1 OPERATOR not reading and /or following the instructions for use	19
8.4.2 OPERATOR selecting inappropriate power or mode settings	19
8.4.3 OPERATOR using an ACTIVE HF SURGICAL ACCESSORY in an inappropriate manner	19
8.5 NEUTRAL ELECTRODE related HAZARDS	20
8.5.1 General	20
8.5.2 Inadequate contact area of a NEUTRAL ELECTRODE.....	20
8.5.3 Inappropriate application	20
8.5.4 Surgical procedures utilizing high currents and /or long duty cycles	21
9 Safety provisions of, and symbols on, HF SURGICAL EQUIPMENT	23
9.1 General.....	23
9.2 Colours of indicator lights	23
9.3 Markings on HF SURGICAL ELECTRICAL EQUIPMENT	24
9.4 Protection against electric shock and burns	26
9.4.1 Method of protection	26
9.4.2 Degree of protection	26
9.5 HF SURGICAL EQUIPMENT not properly marked.....	27
9.6 Monitoring the effectiveness of the NEUTRAL ELECTRODE	27

9.7	Output indicators	27
10	Accompanying documents	28
11	Preventive maintenance	28
	Annex A (informative) Concerns regarding high current surgical procedures or high duty cycles.....	29
	Bibliography.....	30
	Figure 1 – Symbol used on Class II equipment	26
	Figure 2 – Symbol used with an earth referenced PATIENT circuit	27
	Figure 3 – Symbol used with an HF ISOLATED PATIENT CIRCUIT	27
	Table 1 – Colours and significance of indicator lights according to IEC 60601-2-2	24
	Table 2 – Symbols used on HF SURGICAL EQUIPMENT	25

INTERNATIONAL ELECTROTECHNICAL COMMISSION

HIGH FREQUENCY SURGICAL EQUIPMENT AND HIGH FREQUENCY SURGICAL ACCESSORIES – OPERATION AND MAINTENANCE

FOREWORD

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The main task of IEC technical committees is to prepare International Standards. However, a technical committee may propose the publication of a technical report when it has collected data of a different kind from that which is normally published as an International Standard, for example "state of the art".

IEC 61289, which is a technical report, has been prepared by sub-committee 62D: Electromedical equipment, of IEC technical committee 62: Electrical equipment in medical practice.

This second edition cancels and replaces the first edition published in 2011. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) general adaption to IEC 60601-2-2:2017;
- b) refinement and additions to the defined terms;
- c) separation of HF SURGICAL EQUIPMENT and HF SURGICAL ACCESSORIES;
- d) consideration of the HIGH CURRENT MODE;
- e) update of symbols.

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Enquiry draft	Report on voting
62D/1652/DTR	62D/1662A/RVDTR

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INTRODUCTION

This document gives guidelines to personnel in charge of operation of equipment covered by IEC 60601-2-2:2017 to enable them to attain the best conditions of safety for their PATIENTS and themselves.

HIGH FREQUENCY SURGICAL EQUIPMENT AND HIGH FREQUENCY SURGICAL ACCESSORIES – OPERATION AND MAINTENANCE

1 Scope

This document contains guidelines for medical and nursing personnel regarding the safe and effective operation of HIGH FREQUENCY SURGICAL EQUIPMENT and HIGH FREQUENCY SURGICAL ACCESSORIES (also referred to as HF SURGICAL EQUIPMENT in this document). It is also of use to scientific/technical staff who have responsibility for the maintenance of this equipment.

The application guidelines in this document deal with the safe operation of HIGH FREQUENCY SURGICAL EQUIPMENT constructed according to the safety requirements of IEC 60601-1 [1]¹ and IEC 60601-2-2 [4].

Not all existing HIGH FREQUENCY SURGICAL EQUIPMENT meets the minimum requirements of current international standards, however, the guidelines in this document is still helpful in utilizing these devices.

~~This report assumes that the electrical installation of HIGH FREQUENCY SURGICAL EQUIPMENT meets national and local regulations for medically used rooms.~~

2 Normative references

There are no normative references in this document.

¹ Numbers in square brackets refer to the Bibliography.

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CONTENTS

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5.2 Preparation	13
5.3 Handling of NEUTRAL ELECTRODES, HF SURGICAL ACCESSORIES, cables and connections	14
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5.6 Instructions for use	15
6 Recommended practices during use	15
7 Recommended practices after use	16
8 Nature of HAZARDS	16
8.1 General.....	16
8.2 HF SURGICAL EQUIPMENT related HAZARDS	16
8.2.1 Incompatible combinations	16
8.2.2 Electromagnetic compatibility	16
8.2.3 Misconnection of ACTIVE ACCESSORIES.....	16
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