GLOVE IMPROVEMENTS FOR DIAGNOSTIC OR THERAPEUTIC PROCEDURES

INVENTION FIELD

This present invention describes an improvement in gloves for diagnostic and therapeutic procedures. More specifically consisting of gloves in which hydration, lubrication or adhered clot cleaning is necessary, for procedures such as angioradiology, hemodynamics, endovascular surgery and video-laparoscopy surgery, this glove has an area suitable for moistening in solutions.

INVENTION BACKGROUND

Conventionally, hydration, lubrication or adhered clot cleaning is carried out using sterile gauzes during procedures such as diagnostic angiography, hemodynamic intervention procedures, neurorradiology, interventionist radiology, angiorradiology, endovascular surgery and others.

In this hydration, lubrication or adhered clot cleaning process, the sterile gauzes are moistened in containers with solutions and are wiped on materials that need hydration or lubrication or cleaning during the procedures.

This handling is repetitive, done by all team members - interventionists, auxiliaries and scrub nurses, it takes time, it requires the scrub nurse to be attentive to the need to supply moistened gauzes during the whole procedure, it requires material movement in the work area, it causes lack of attention, it can be an additional factor in contamination in the surgical area and it can leave fragments of gauze thread trapped in the materials used inside the blood vessels.

Therefore, in order to minimize or eliminate the proved difficulties when using sterile gauzes moistened for hydration, lubrication or

cleaning of materials in diagnostic and surgical procedures, the objective of this present invention is a glove which has at the distal extremity of the fingers or on the finger pad, a suitable area for moistening in solutions, eliminating moistened gauze use.

SUMMARY

An invention characteristic is an improvement in gloves for diagnostic and therapeutic procedures which eliminates the need to handle sterile gauzes for procedures where hydration, lubrication or adhered clot cleaning is needed in guidewires, catheters, and balloons for angioplasty, stents, or other materials.

An invention characteristic is an improvement in gloves for diagnostic and therapeutic procedures which has on the distal extremities of the fingers a suitable area to be moistening in solutions.

BRIEF DESCRIPTION OF THE FIGURES

Figure 1 shows a perspective view of the glove which has an absorbing area on the finger pad of all the fingers.

Figure 2 shows a perspective view of the glove which has an absorbing area on the finger pad of the third and fourth finger.

Figure 3 shows a representation of the user with the glove handling an instrument.

DETAILED DESCRIPTION OF THE INVENTION

The improvement in gloves for diagnostic and therapeutic procedures, the objective of the present invention, consists of a glove (10) which has an absorbent area (11) preferably positioned on the finger pads (distal phalanges), which can have an extension to the medial area of the fingers.

The absorbent area (11) is placed on at least one of the glove fingers, it is recommended that the absorbent area is applied to the

third and fourth fingers of both hands of the gloves, however this number can vary a lot in accordance with the needs.

The absorbent area can be fixed by glue or other suitable means, such as fusion.

The absorbent area can be felt, dacron®, for example, or another if it is shown to be suitable for the objective of retaining liquids in the glove finger pads.

Optionally, the absorbent area can be made of microvilluses.

The gloves can be sterile, for use in surgical or diagnostic procedures, or non sterile, in this case for use in demonstration procedures or others where sterile material is not needed.

CLAIMS:

1. GLOVE IMPROVEMENTS FOR DIAGNOSTIC OR THERAPEUTIC PROCEDURES characterized by consisting of a glove (10) which has an absorbent area (11) positioned on the finger pads (distal phalanges).
2. GLOVE IMPROVEMENTS FOR DIAGNOSTIC OR THERAPEUTIC PROCEDURES, in accordance with claim 1, characterized by the fact of an absorbent area (11) to be fixed to the glove surface (10) using glue or fusion.
3. GLOVE IMPROVEMENTS FOR DIAGNOSTIC OR THERAPEUTIC PROCEDURES, in accordance with claim 1, characterized by the fact of an absorbent area (11) to be introduced on the glove surface (10) in the form of microvilluses.

SUMMARY

GLOVE IMPROVEMENTS FOR DIAGNOSTIC OR THERAPEUTIC PROCEDURES

An improvement in gloves for diagnostic and therapeutic procedures is described in which hydration, lubrication or adhered clot cleaning is necessary, for procedures such as angioradiology, hemodynamics, endovascular surgery and video-laparoscopy surgery , these gloves have an absorbent area (11) positioned on the finger pads (distal phalanges) and optionally can be extended to the glove finger medial area (10), this absorbent area (11) is suitable for being moistened in solutions, eliminating the need for gauzes for this purpose.

Fig. 1

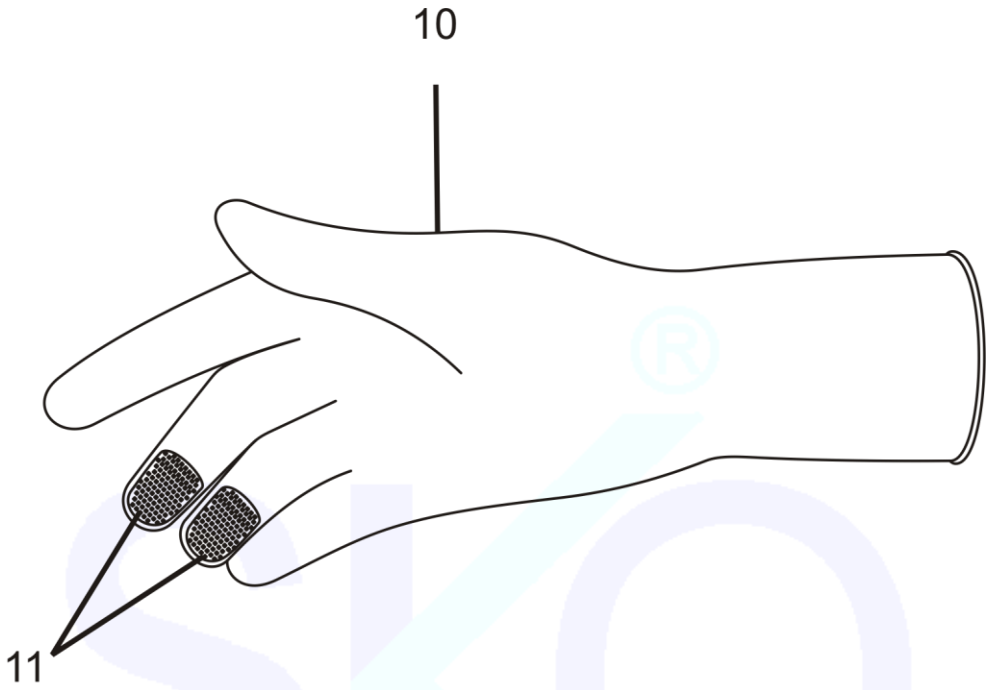

Fig. 2

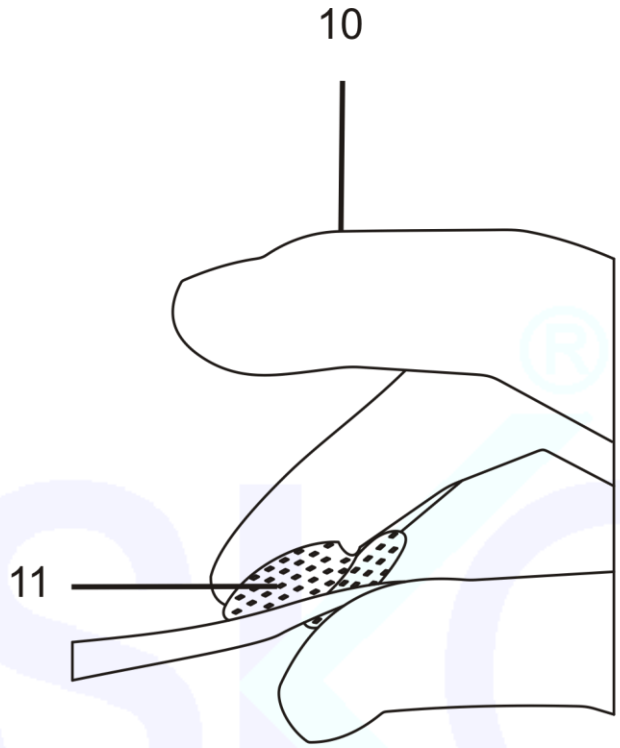

Fig. 3