Claims

1. A medical packaging for holding a sterile single-use medical device, wherein the medical device has at least one operative part which allows in use to be a key part for direct contact to a patient and further has at least one controlling part for controlling the at least one operative part, the packaging including:

a body forming an enclosing volume able to hold a single-use medical device in a sterile condition, the body having at least one first end portion, at least one second end portion and at least one openable connection between the at least one first end portion and one or more of the at least one second end portion to allow the at least one first end portion to be disconnected from the at least one second end portion wherein:

i. the at least one first end portion is sized and shaped for substantially covering one or more operative parts of the single-use medical device;

ii. at least part of one or more of the at least one second end portion is sized and shaped for substantially covering one or more controlling parts of the single-use medical device;

iii. the at least one openable connection is able to have the at least one first end portion displaced into an open state at time of use to allow the at least one operative part of the single-use medical device to be revealed and usable directly on the patient; and

iv. the at least one second end portion remains substantially covering one or more controlling parts of the single-use medical device and allows the at least part of the at least one operative part to be controlled by the at least one controlling part while the at least one controlling part remains substantially within the at least one second end portion.

2. A medical packaging according to claim 1 wherein the body is substantially flexible to allow the user to hold and operate the enclosed sterile single-use medical device without touching the device still substantially enclosed in the packaging body.

3. A medical packaging according to claim 1 wherein the at least one or more first or second end portions includes one or more of:
i. a shape corresponding to the shape of a controlling part of the single-use medical device.
ii. a shape corresponding to the shape of an operative part of the single-use medical device.

4. A medical packaging according to claim 1 wherein the at least one openable connection on the at least one first end portion of the body is at least one frangible connection extending on at least part of the at least one first end portion and the at least one second end portion wherein the at least one first end portion is openable with the user holding the at least one second end portion.

5. A medical packaging according to claim 1 wherein the openable connection is at a marked frangible operating line that substantially overlies the end of the operative

part of the device such that the frangible operating line provides an indicating line indicating the end of the operative part that is not to be touched by the user and defining the key part allowable to be in direct contact with the patient.

6. A medical packaging according to claim 4 wherein the openable connection includes a plurality of marked frangible operating lines on the body of the packaging covering a particular sterile single-use medical device to be used in a plurality of different predefined uses, with each of the plurality of marked frangible operating lines substantially overlying one of a plurality of different ends of the operative part of the device according to one of a plurality of the predefined uses, such that each marked frangible operating line provides an indicating line indicating the end of the particular key part for the respective use that is not to be touched by the user and defining the particular key part allowable to be in direct contact with the patient for the respective predefined use.

7. A medical packaging according to claim 5 wherein the packaging includes a form of indication of how a medical device can be used in various ways in different predefined uses to reveal a variation of an operative part of the sterile single-use medical device to be used for a selected predefined use.

8. A medical packaging according to claim 1
wherein the at least one first end portion is one or a plurality of first end portions for covering the one or more operative parts, and the at least one second end portion is one or a plurality of second end portions extending from the one or plurality of first end portions and for covering the one or more controlling parts
wherein the one or plurality of second end portions is movable relative to each other to allow movement of the one or more controlling parts while remaining in the packaging to control the one or more operative parts when revealed and usable directly on the patient.

9. A medical packaging according to claim 8 wherein the one or plurality of second end portions is movable relative to each other by the body being substantially flexible to allow the user to hold the one or more controlling parts and operate the one or more operative parts of the enclosed sterile single-use medical device without directly touching the device and still being substantially enclosed in the packaging body.

10. A medical packaging according to claim 9 wherein the one or plurality of second end portions is movable relative to each other by the body being transformable to allow one or more of:
alteration of the footprint of the single-use medical device to enable operative use of the single-use medical device while the one or more controlling parts remain substantially within the one or plurality of second end portions of the body.
non-resilient alteration of the footprint of the single-use medical device.
alteration of the volume of the body holding the single-use medical device to enable operative use of the single-use medical device while the one or more controlling

parts remain substantially within the one or plurality of second end portions of the body.
non-resilient alteration of the volume of the body holding the single-use medical device.

11. A medical packaging according to claim 10 wherein the transformability is by one or more of:
at least one part of the at least one or plurality of second end portions transforms in a corresponding manner to the change of shape of a controlling part of the single-use medical device;
pivoting connection of the one or plurality of second end portions without substantially hindering the user using the one or more controlling parts in the one or plurality of second end portions to allow control of the one or more operative parts when revealed and usable directly on the patient.

12. A medical packaging according to claim 10 wherein the transformability is by one or more of:
a sealed gusset between the one or plurality of second end portions without substantially hindering the user using the one or more controlling parts in the one or plurality of second end portions to control the one or more operative parts when revealed and usable directly on the patient.
a sealed concertina connection between the one or plurality of second end portions without substantially hindering the user using the one or more controlling parts in the one or plurality of second end portions to control the one or more operative parts when revealed and usable directly on the patient.
a variable connected materials forming an expandible sealed connection between the one or plurality of second end portions without substantially hindering the user using the one or more controlling parts in the one or plurality of second end portions to control the one or more operative parts when revealed and usable directly on the patient.

13. A medical packaging according to claim 1 wherein the at least part of the one or plurality of second end portions, which is sized and shaped for substantially covering the at least one controlling part of the single-use medical device, is changeable or relatively moveable to allow controllable usage of the at least one operative part by the at least one controlling part, while retaining coverage over substantially all of the at least one controlling part of the single-use medical device.

14. A medical packaging according to claim 13 wherein being changeable is by one or more of:
a. Flexible
b. Deformable
c. Expandible
d. Malleable
e. Compressible.

15 A medical packaging according to claim 13 wherein the second end portion is a plurality of jointed second end portions which include finger location shape to allow the user to use fingers on controlling parts of the single-use medical device while the at least one controlling parts of the single-use medical device remains in the second end portions.

16. A medical packaging according to claim 1 is for covering a scalpel and the openable connection of packaging includes one or more marked frangible operating lines on the body of the packaging indicating the respective part that is not to be touched by the user and defining one or more particular key parts allowable to be in direct contact with the patient for the respective predefined use

wherein at least part of the one or more second end portions is sized and shaped for substantially following and covering a controlling part of the scalpel and the openable connection of packaging includes a marked frangible operating line on the body of the packaging indicating the respective part that is not to be touched by the user and defining the key part allowable to be in direct contact with the patient

wherein optionally the one or more second end portions is movable by the body being transformable to allow one or more of:

alteration of the footprint of the scalpel to enable operative use of the scalpel while at least part of the one or more controlling parts remains substantially within the at least one second end portion of the body

non-resilient alteration of the footprint of the scalpel

alteration of the volume of the body holding the scalpel to enable operative use of the scalpel while at least part of the one or more controlling parts remain substantially within the at least one second end portion of the body

non-resilient alteration of the volume of the body holding the scalpel

and wherein optionally the transformability is provided by one or more of:

a) a sealed gusset connected to the at least one second end portion

b) a sealed concertina connection connected to the at least one second end portion and

c) a variable connected material forming an expandible sealed connection to the at least one second end portion

wherein the user is not substantially hindered using the one or more controlling parts in the at least one second end portion to control the one or more operative parts when revealed and usable directly on the patient..

17. A medical packaging according to claim 1 is for covering a scissors and includes an enclosing body of at least one first end portion attached to a bifurcated at least one second end portion which allows operatively effective function of the scissors while the at least one controlling part including finger location shapes remains substantially within the at least one second end portion

wherein at least part of the one or more second end portions is sized and shaped for substantially following and covering a controlling part including the finger location shapes of the scissors and the openable connection of packaging includes a marked frangible operating line on the body of the packaging indicating the

respective part that is not to be touched by the user and defining the key part allowable to be in direct contact with the patient

wherein the one or more second end portions is movable by the body being transformable to allow one or more of:

alteration of the footprint of the scissors to enable operative use of the scissors while at least part of the one or more controlling parts remains substantially within the at least one second end portion of the body

non-resilient alteration of the footprint of the scissors

alteration of the volume of the body holding the scissors to enable operative use of the scissors while at least part of the one or more controlling parts remain substantially within the at least one second end portion of the body

non-resilient alteration of the volume of the body holding the scissors

and wherein the transformability is provided by one or more of:

a) a sealed gusset connected to the at least one second end portion

b) a sealed concertina connection connected to the at least one second end portion and

c) a variable connected material forming an expandible sealed connection to the at least one second end portion

wherein the user is not substantially hindered using the one or more controlling parts in the at least one second end portion to control the one or more operative parts when revealed and usable directly on the patient.

18. A medical packaging according to claim 1 is for covering tweezers and includes an enclosing body of a plurality of first end portions forming an enclosing sealed volume when connected with a bifurcated second end portion and the openable connection of packaging includes one or more marked frangible operating lines on the body of the packaging indicating the respective part that is not to be touched by the user and defining the particular key part allowable to be in direct contact with the patient for the respective predefined use

wherein at least part of the one or more second end portions is sized and shaped for substantially following and covering a controlling part including the finger location shapes of the tweezers and the openable connection of packaging includes a marked frangible operating line on the body of the packaging indicating the respective part that is not to be touched by the user and defining the key part allowable to be in direct contact with the patient

wherein the one or more second end portions is movable by the body being transformable to allow one or more of:

alteration of the footprint of the scissors to enable operative use of the tweezers while at least part of the one or more controlling parts remains substantially within the at least one second end portion of the body

non-resilient alteration of the footprint of the scissors

alteration of the volume of the body holding the tweezers to enable operative use of the scissors while at least part of the one or more controlling parts remain substantially within the at least one second end portion of the body

non-resilient alteration of the volume of the body holding the tweezers

and wherein the transformability is provided by one or more of:

a) a sealed gusset connected to the at least one second end portion
b) a sealed concertina connection connected to the at least one second end portion and
c) a variable connected material forming an expandible sealed connection to the at least one second end portion
wherein the user is not substantially hindered using the one or more controlling parts in the at least one second end portion to control the one or more operative parts when revealed and usable directly on the patient..

19. A medical packaging according to claim 1 is for covering a syringe having a plunger, a barrel and an operative dispensing end and includes a non-resilient enclosing body substantially following the shape of the syringe having
at least one first end portion attached to at least one second end portion and
at least one frangible connection over the operative dispensing end which allows operatively effective filling and dispensing function of the syringe
and the at least one second end portion including a transformable part able to follow the change of volume of the syringe by the insertion and retraction of the plunger in the barrel with the transformable part being in the form of one or more of:
a) a sealed gusset connected to the at least one second end portion
b) a sealed concertina connection connected to the at least one second end portion and
c) a variable connected material forming an expandible sealed connection to the at least one second end portion
wherein the user is not substantially hindered using the one or more controlling parts in the at least one second end portion to control the one or more operative parts when revealed and usable directly on the patient
and wherein the covering of the one or more controlling parts including the plunger and barrel of the syringe and the one or more openable frangible connections indicating the respective part that is not to be touched by the user and defining the particular key part allowable to be in direct contact with the patient for the respective predefined use.

20. A method of using a sterile single-use medical device in a continuing sterile manner including the steps of:
a. Providing a sterile single-use medical device in a flexible packaging body forming an enclosing volume with at least one first end portion and at least one second end portion able to hold the single-use medical device therein in a sterile condition wherein the at least one first end portion sized and shaped for substantially covering an operative part of the single-use medical device, and the at least part of the at least one second end portion sized and shaped for substantially covering a controlling part of the single-use medical device;
b. Providing at least one openable connection on at least part of the at least one first end portion of the body wherein the openable connection is at a marked frangible operating line that substantially overlies the end of the operative part of the device such that the frangible operating line provides an indicating line indicating the end of the key part that is not to be touched by the user and defining the key part allowable

to be in direct contact with the patient;
c. Holding the at least one second end portion with the controlling part of the single use medical device still substantially within the at least one second end portion;
d. Opening the at least one openable element of the at least one first end portion of the packaging by removing breaking or opening at least part of the at least one first end portion to reveal the at least one operative part of the single-use medical device without directly touching the device; and
e. Using the revealed operative part of the single-use medical device by manipulating a controlling part of the single-use medical device with the controlling part of the single-use medical device still substantially within the at least one second end portion.