

Seal and cut for open surgical procedures with BiClamp® knife 220

The instruments functions simplify open surgical procedures because it can grasp, seal electrosurgically, and mechanically dissected in a single workflow^{1,2}.

In an initial international test of user acceptance, many users evaluated closing of vessels with BiClamp® knife 220 as “fast and safe“.

“Time is money” is increasingly becoming the guiding principle of hospitals also during surgical treatment. Compared to interventions without electrosurgical sealing, the operating time is reduced³.

Fast and safe sealing is a key requirement of a sealing instrument. Erbe's new instrument performed very well in this field, and in an international user acceptance test the great majority of physicians (95 %) stated that BiClamp® 220 performs equal or better in regards to coagulation of tissue as well as it's thermal spread compared to other instruments. 89 % stated that vessel sealing is similar or better.

“Plug and operate” is another aspect of high usability. Digital instrument recognition configures the whole system automatically, including the BiClamp® knife 220 and the electrosurgical unit VIO® 3. The constant voltage control ensures that the tissue effect is reliable, reproducible, and homogeneous.

The surgeon can seal vessels up to 7 mm in diameter, the vessel sealing withstand high burst pressure with a short sealing time. The instrument maintains the same reproducible quality of vessel sealing during repeated cycles of activation³.

Another advantage is that the surgeon can dissect close to critical structures, due to the minimal thermal spread of <1 mm and because the temperature at the back of the jaw is below 40 °C. This prevents inadvertent thermal effect to adjacent structures. The curved shape of the jaw allows a good view of areas that are not easy to reach.

Working with BiClamp® knife 220 makes high precision surgery possible. This means that more than three-quarters (78 %) of users are satisfied or very satisfied with the performance of the BiClamp® knife 220.

Erbe Elektromedizin – a world leader in electrosurgical systems.

Further information about BiClamp® knife 220:

<https://de.erbe-med.com/de-en/medical-specialties/general-surgery/biclamp-knife-220>

Or in general about Erbe: www.erbe-med.com



Internal data on file:

1 D081971, Intended Use 2 D170613, Risikoanalyse

2 D170613, Risikoanalyse

3 D199931, Test report Burst Pressure SOP 3-11A

Further evidence: UAT/AAP **Results Survey**

Qualtrics BiClamp® knife 220

D218732



Marketing Claims Blamp® knife 220 D189941
AAP **Report** User Acceptance Testing UAT D216989

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