LIGATION with TissueSeal® PLUS – simply precise

Rely on an established technique for permanent vessel and tissue sealing: LIGATION. And on a simple, yet precise instrument for open surgical applications: TissueSeal PLUS. Optimum surgery results because of excellent ergonomics and tactility will enthuse surgeons, while cost reductions and improved efficiency will please the strictest controller.

Alongside the advantage of preventing the introduction of foreign bodies into the patient, you will also save theatre time, suture materials and clips. TissueSeal PLUS is an autoclavable BOWA LIGATIONS instrument and closes large-lumen veins, arteries and tissue bundles with up to 7 mm diameter quickly, safely and permanently. The sealing safety of up to 700 mmHg has been proven in clinical trials. In connection with the COMFORT generators ARC 400 and ARC 350, TissueSeal PLUS is simply the preferred choice for LIGATION.

LIGATION sequence



Hold the tissue

Connect and lock the TissueSeal® PLUS



LIGATE until the signal sounds



LIGATION

Application ranges of the TissueSeal® PLUS



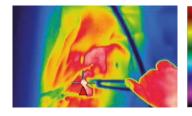
Surgical applications

- Colectomy
- Gastrectomy - Liver resection
- Thyroidectomy
- Lobectomy



Gynaecological applications

- Hysterectomy
- Mastectomy



Application safety due to little heating-up

The sandwich structure reduces the thermal spread to < 1 mm. The active electrode surfaces are fully insulated from the instrument and therefore hardly transfer any heat.

Urological applications - Prostatectomy



- Nephrectomy

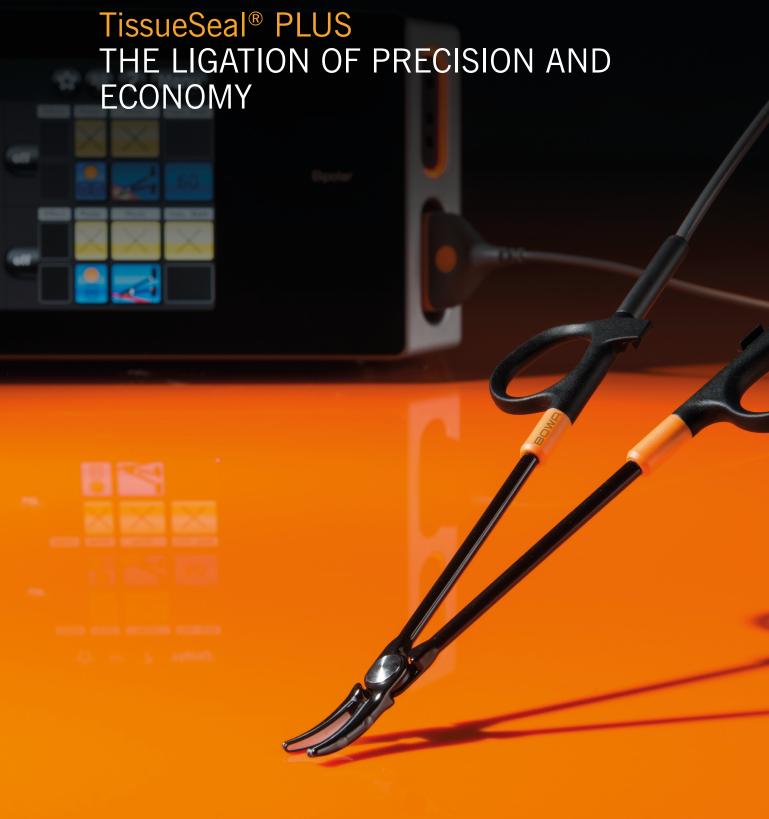
Schuld J, Richter S, Laschke MW, Sperling J, Menger MD, Schilling MK on behalf of the Surgical Task Force: Theatre and Instrument Technology of the German Association of General and Visceral Surgery (Chirurgische Arbeitsgemeinschaft: OP- und Instrumententechnik der Deutschen Gesellschaft für Allgemein- und Viszeralchirurgie). Evaluation study: BOWA TissueSeal® vs. Valleylab LigaSure™, BOWA, Gomaringen 2008

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Made in Germany



TissueSeal® PLUS – real cutting edge technology



The suitable solution for each requirement – an overview of all types









Process optimisation, quality assurance and suitability for use Plug'n Cut COMFORT automatically identifies the instrument and preselects the right settings.

The COMFORT sYSTEM continuously monitors the number of applications and logs them in the instrument itself.

Cost benefits of BOWA TissueSeal® PLUS compared to disposable instruments after 50 procedures



Economical and sustainable

High quality materials ensure application safety and long-term economy.

BOWA TissueSeal® PLUS – safe in your hands

The ligation of precision and economy

TissueSeal PLUS gives you everything you need for a LIGATION for open surgical applications in a single instrument. This way you can achieve shortened theatre times and reduced patient blood loss as well as ensuring that no foreign objects are left behind in the patient.

TissueSeal PLUS is manufactured from premium quality materials and has been designed according to state-of-the-art ergonomics. As a result you gain optimum handling and impressive tactility. Also, the point's sandwich structure ensures minimum temperature

built-up and the non-stick coating protects against tissue adhesion. The Plug'n Cut technology uses automatic instrument detection and parameter configuration for maximum effectiveness and safety. Furthermore, TissueSeal PLUS is fully autoclavable and can be reused up to 50 times.

TissueSeal PLUS combines maximum application safety and patient safety with economy and efficiency.



The products have the CE marking according to directive 93/42/EEC and comply with IEC 60601-2-2.