



Onemytis[®] 2

The future of surgery

Onemytis[®] 2 is a new type of electro-surgical instrument which is changing the face of soft tissue surgery. First launched in Italy in 2014, Onemytis[®] is widely used in Europe particularly for ENT, ophthalmology, dermatology and for many oncological procedures. Using new Airplasma[®] technology, the device is able to perform a wide range of surgical procedures with exceptionally high levels of precision at low temperatures.

The latest model, the Onemytis[®] 2, is now available in the UK. It is faster and more compact than the original, has specialist accessories for endoscopic and laparoscopic surgery and can be easily upgraded as new software and accessories become available.

Veterinary surgeons across Europe are increasingly turning to Onemytis[®] 2 for soft tissue surgery.

Here's why

It is precise: its cutting edge is 0.1 mm.

There is little or no bleeding. It causes instant Haemostasis in small blood vessels and can be used to seal larger ones.

Tissue damage is minimal.

Less patient preparation is required.

There is often little or no need for sedation or anaesthesia.

Patients have less pain and make a more rapid recovery.

Plus it's compact, portable and hugely versatile.



How does it work?

Onemytis® 2 uses a new technology called Airplasma® which works by gas (in this case, air) ionisation. Air is passed through a strong electromagnetic field generated safely by using a high voltage/low current energy source. This releases energy (plasma) which can vaporise tissue at low temperatures. It operates at a maximum temperature of 50° C as opposed to temperatures of more than 118° C reached in conventional electrosurgery.

The cutting edge of the electrode is extremely fine and does not touch the patient. Plasma is formed when it is between 1 and 2 mm away from the patient, depending on the power setting. This means the surgeon does not apply any pressure when creating an incision, furthering increasing the precision with which the device is used.

There is no need for an external gas source or a return plate because there is no build-up of electric current or heat within the patient's body. The electrical current emitted by Onemytis® 2 is less than 2mA.

“I love it. I’ve used electrosurgery for 20 years and Onemytis is an order of magnitude better. It is more precise, more reliable and results in a much better healing surface.

Excel Lasers have been absolutely fantastic. They clearly know their products inside out and have been very helpful.”

Julian Hoad, Crossways Veterinary Group,
West Sussex

As well as being an effective tool for surgery, there is a growing body of evidence* to show that Cold Atmospheric Plasma also:

Causes direct or indirect apoptosis of cancer cells

Stimulates the production of FGF 2 resulting in better and faster tissue healing

Increases the activity of some components of immune system cells.

TECHNICAL INFORMATION

Weight	2.5 kg
Output power	10W (max.)
Size (W x D x H)	25.5 x 21 x 11 cm
Frequency	50 kHz
Signal type	Sinusoidal
Power supply	100V–240V/50-60 Hz

Accessories

Onemytis® 2 comes with all the accessories needed to start surgery. A hard case is also available to protect the equipment during transportation. Other spares are available in case of accidental loss or damage.

For maximum versatility, the Onemytis® 2 handpiece can be used with electrodes of different shapes and sizes to suit a wide range of procedures. Specialist accessories to support endoscopic and laparoscopic surgery are also available.

For the complete list of accessories, go to our website
www.excellasers.com/onemytis-accessories

Maintenance

The handpiece, the connection cable and the electrodes are fully autoclavable. They can also be sterilised with cold paracetic acid.

For more information about Onemytis® 2 or to place an order, contact us at:

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Quality Management System certified
to ISO 13485

*References to scientific papers available on our website at www.excellasers.com/onemytis