

BLOODLESS

PLUS CAS10



UNA AUTENTICA REVOLUCION EN LA CIRUGIA
A REAL REVOLUTION IN THE SURGICAL FIELD



INCASMEDICAL

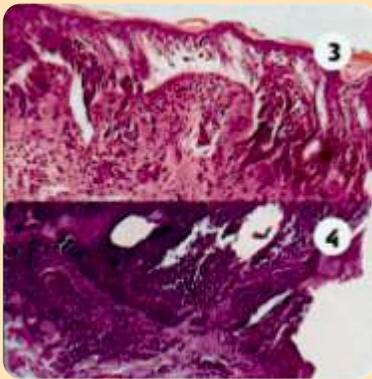
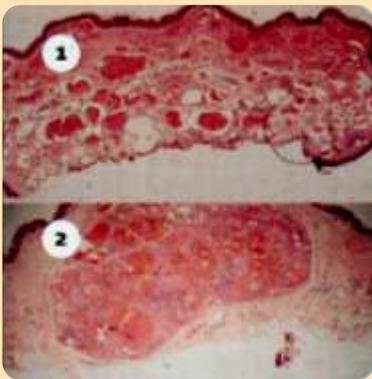
Ventajas y Aplicaciones

Advantages and

Extirpacion de un hemangioma capilar y de un hemangioma lobular con asa a hilo Bloodless, dano termico ausente Foto 1 y 2 dano termico ausente, resultado optimo

Muestra can el bisturi laser:

Foto 3 Y 4 dano termico difundido



Removal of Capillar Hemangioma and Lobular Hemangioma with wire loop Bloodless Plus

Picture 1 and 2: No thermal damage.

Removal with Laser

Picture 3 and 4: Wide thermal damage

El estudio anatomico- clinico en patologias dermoquirurgicas de los tejidos pulmonares con la utilizacion del Bloodless Plus.

Bloodless Plus es un bisturi electrico a resonancia molecular que utiliza un nuevo principio fisico para hacer cortes y coagulo en los tejidos.

El principio fisico innovador utiliza energia electrica a altisima frecuencia, modulada adecuadamente, para obtener la separacion del tejido, trabajando sobre los lengames moleculares de las celulas y por evaporacion termica. Se obtiene, entonces, como resultado, un corte a frio de 50° y de los tejidos a los bordes del corte se quedan sin escarificacion, con la ventaja de reducir los peligros de infeccion, los dolores post-operatorios y los tiempos de curacion: en caso de biopsias, se consiguen prelievos perfectos y sin danos tambien con muestras de pequenas dimensiones.

Para comprobar cuanto dicho, hacemos referencia a los tejidos prelevados en dermatologia por el **Doctor Massimo Cogo** en la clinica "Villa Berica" de Vicenza y analizados por el **Doctor Raffaele Gianotti** especializado en anatomia y histologia patologica a la 1^o clinica dermatologica de la Universidad de los estudios de Milano. Como se puede observar de las fotos los resultados del Bloodless Plus son muy superiores a los que se obtienen con los metodos tradicionales, comprendido el laser. Referimos ejemplos de tejidos pulmonares extraidos por el **Profesor Federico Rea** ante la cirugia toracica de la Universidad de Padova (responsable: **Prof. Francesco Sartori**) y analizados por la **Doctora Fiorella Calabrese** ante el laboratorio de histologia y microscopia electronica (responsable: **Prof. Marialuisa Valente**). El fragmento pleural resulta cortado por el bisturi Bloodless Plus y como se puede observar tanto el preparado histologico (A) que el ultraestructural (B) analizado usndo un microscopio electronico de barrido, no insenan ninguna alteracion a los bordes del corte.

El framento pleural (C y D) privado de la superficie pleural resulta procesado por el bisturi a resonancia molecular Bloodless Plus, con la finalidad de obtener la coagulacion. Como se puede observar en el preparado histologico (C) que en el ultraestructural (D), los alveolos no resultan afectados.

Clinical Anatomical study on the employment in phatology and Dermosurgery and histological-clinical study of the pulmonary tissues using Bloodless Plus

Bloodless Plus is a Molecular Resonance Lancet using a new physical principle in order to carry out cutting and coagulation at under 50°C & 65°C temperature respectively within biological tissues. This new physical principle exploits properly modulated high frequency waves in order to obtain the separation of the tissue acting on the molecular ties of the cells and not by thermal vaporization. The obtained result is therefore a cold cut (under 50°C) and the tissue to the edges of the cut are without eschar, with the advantage to reduce the danger of infection, post-operation pains and recovery time.

It generates the frequencies 4/8/12 MHz or more (any power/function) within cell safety spectrum derived from molecular resonance principle that too in resonance with the frequencies of molecular cellular bonds.

Rapid biopsies can be performed, because the samples taken are not damaged, with consequent reliable analysis.

To prove what has just been written above, there are some samples taken in dermatology by **Doctor Massimo Cogo**, of the Clinic "Villa Berica" of Vicenza and analyzed by Doctor Raffaele Giannotti, specialist in pathologic anatomy and histopathology at the 1st Dermatological clinic of the University in Milan.

We also show some examples of pulmonary tissues taken by **Prof. Federico Rea** at the Thoracic Surgery Department at the University of Padova (Responsible) **Prof. Francesco Sartori**, and analysed by Doctor Fiorella Calabrese in the histological laboratory (Responsible: **Prof. Marialuisa Valente**).

The fragment of pulmonary parenchyma is cut by a molecular resonance lancet Bloodless Plus.

As you can see, there are no alterations around the cut neither in the histological (A) nor in the ultrastructural (B) preparations.

The fragment of pulmonary parenchyma (pictures C and D) lacking the pleural area proves to be treated by the molecular resonance lancet Bloodless Plus, in order to obtain a clot. As you can see, neither in the histological (C) nor in the ultrastructural (D) preparations, the alveolus is damaged.

Applications



Bladion: un instrumento universal Bloodless es un instrumento adaptado para los diferentes sectores quirúrgicos y en particular es estudiado por el asunción en odontología, cirugía general, cirugía estética, podología, dermatología y veterinaria.

A diferencia de los otros sistemas como el bisturí láser, Bloodless es extremadamente sencillo y no necesita de particulares training para poder ser utilizado mejor.

Una peculiaridad muy importante de Bloodless es la posibilidad de construir, sobre indicación del cirujano, cualquier utensilio de corte y de coagulación necesario para intervenciones específicas y particulares.

Una vasta gama de accesorios: bisturí en diferentes formatos, espátulas, asas de diferentes formas, pinzas bipolares para la coagulación de los vasos sanguíneos, utensilios para la coagulación, hacen que Bloodless sea un instrumento verdaderamente completo y absolutamente indispensable en el campo de la cirugía: además Bloodless por su peculiar tecnología constructiva es absolutamente compatible con todas las otras instrumentaciones presentes en la sala operatoria, comprendidos los desfibriladores.

Therapeutic applications : Bloodless Plus only needs a special module for its ready use in therapeutic applications like Edema (post-operatively or post-traumatic), Neck Pain, Back Pain, Muscle Injury, Sprain, Arthritis, Osteoarthritis, Disc Herniation and many more. The hand-piece with electrodes up to 5 cm dia can be connected or patches or adhesive electrodes can be applied with the help of user friendly programs. During therapeutic applications mode the maximum output of 75 watt at 50Ω to 100 watt at 1000Ω can be derived.

The frequencies of cell safety spectrum are transmitted to the patient's area of concern to induce anti-inflammatory and anti edema effect resulting into substantial decrease in pain. With the continuous session the damaged tissue regenerates in a stable form with out any cellular damage and side effects. Bloodless Plus has been proved a useful tool in sports medicine also.

Bloodless Plus: a universal instrument

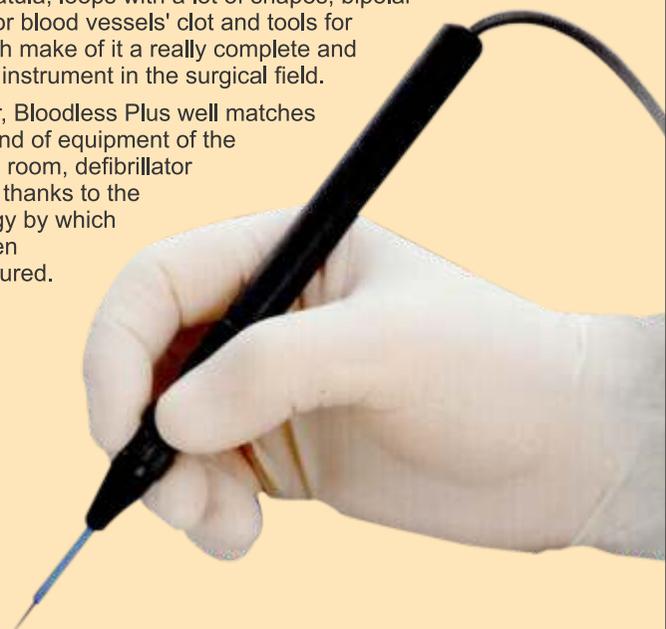
Bloodless Plus is an instrument suitable for different surgical fields like urology, gynaecology and orthopaedics.

In particular, it was created for a use in ENT, General Surgery, Neuro Surgery, Plastic Surgery, Dermatology and many more. Bloodless Plus is extremely easy to use and its users don't need special trainings.

A very important feature of Bloodless Plus is constituted by the possibility of creating every kind of tool for cut and clot following the instructions of the surgeon that needs it for special operations including endoscopic approach for the treatment of Degenerative Disc Diseases.

It offers a wide range of accessories; lancets of different sizes, spatula, loops with a lot of shapes, bipolar forceps for blood vessels' clot and tools for clot, which make of it a really complete and essential instrument in the surgical field.

Moreover, Bloodless Plus well matches with all kind of equipment of the operating room, defibrillator included, thanks to the technology by which it has been manufactured.





Características
Técnicas

Technical
Features

20 buenas motivaciones para comprar bloodless plus
20 good reasons to buy Bloodless Plus

Conformidad a normas y disposiciones 93/42 CEE (CE 0051)	Conformity to directives 93/42 CEE (CE 0051)	<ol style="list-style-type: none"> 1. Porque aplica una tecnología innovativa 2. Porque realiza el corte a frío de los tejidos 3. Porque acelera el procedimiento de curación. 4. Porque produce una reducción del sangramiento. 5. Porque califica el estudio dentístico. 6. Porque es un aparato que produce rentas. 7. Porque por un médico es un prestigio utilizarlo 8. Porque no corta los tejidos sino separa las células. 9. Porque es fácil utilizarlo. 10. Porque es seguro 11. Porque no hace daño a las otras partes del cuerpo humano. 12. Porque no hace daño al corazón. 13. Porque está dotado de una vasta gama de accesorios. 14. Porque es posible personalizar los instrumentos. 15. Porque tiene un precio contenido. 16. Porque es rápido en el corte. 17. Porque produce menos dolor al paciente. 18. Porque no hay el dolor post-operatorio. 19. Porque no genera hinchazón post-operatorio. 20. Porque es versátil. <p>Bloodless es una garantía de éxito seguro porque garantiza la total satisfacción del paciente y del profesional que lo utilice. Rapidez, precisión, facilidad de utilización hacen del Bloodless la mejor tecnología aplicable en cirugía. "La mejor publicidad que el cirujano pueda hacer es un paciente satisfecho!"</p>
Potencia de salida: corte 250W	Outgoing power: Cut 250W (Foot switch or/and Finger switch)	
Potencia de salida: Blend/Fulguration 150W/100W	Outgoing power: Blend/Fulguration 150W/100W	
Potencia de salida: Coagulo 100W	Outgoing power: Clot 100W	
Potencia de salida: Bipolar 90W/120W/150W	Outgoing power: Bipolar 90W/120W/150W (Coag/Cut/Blend)	
Peso 12 Kg	Weight 12 Kg	
Microprocesadores 2 para el control del sistema y de IGS circuitos de seguridad	Microprocessors 2 independent for system's check and safety circuits as well	
Pedal de activación de tipo neumático	Starting pedal Pneumatic/electric Bipolar/Monopolar	
Auto diagnóstico continua	Auto diagnosis continuous	
Equipo a also aislamiento Flotante, Clase 1º tipo CF	High insulation device Floating, Class 1st type CF	
Maxima potencia absorbida 450 W	Maximum absorbed power 450 W	
Tensión alimentación 230 Vac	Feeding voltage 230 Vac	
Frecuencia alimentación 50-60 Hz	Feeding frequency 50-60 Hz	
	Out Frequency (any power/function) 4MHz or more within cell safety spectrum derived from molecular resonance principle Output Frequency (Any power/function) Large LED display	
	<ol style="list-style-type: none"> 1. Because it exploits an up-to-date technology. 2. Because it exploits the cold cut of tissues. 3. Because it speeds the recovery up. 4. Because it reduces bleed. 5. Because it ensures top quality to your surgery. 6. Because it gives prestige to the surgeon using it. 8. Because it doesn't cut the tissues but separates the cells. 9. Because it is easy to use. 10. Because it is safe. 11. Because it doesn't damage the other parts of the human body. 12. Because it doesn't damage the heart. 13. Because it is equipped with a wide range of accessories. 14. Because you can personalize the tools. 15. Because it is cheap 16. Because it is rapid in cutting. 17. Because it reduces the patient's pain. 18. Because it doesn't cause post-operation pain. 19. Because it doesn't cause post-operation swelling. 20. Because it is versatile. <p>Bloodless Plus ensures your success because it ensures both the patient's and the surgeon's total satisfaction. Rapidity, precision, handiness make of Bloodless Plus the best technology application in the field at present. "A satisfied patient is the best marketing campaign for the surgeon!"</p>	

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