

Spectranetics

GENTLE POWER WITH THE SPEED OF LIGHT

Where can I learn more about
**Excimer Laser
Lead Removal?**

For more information, visit
www.spectranetics.com/patients



www.spectranetics.com



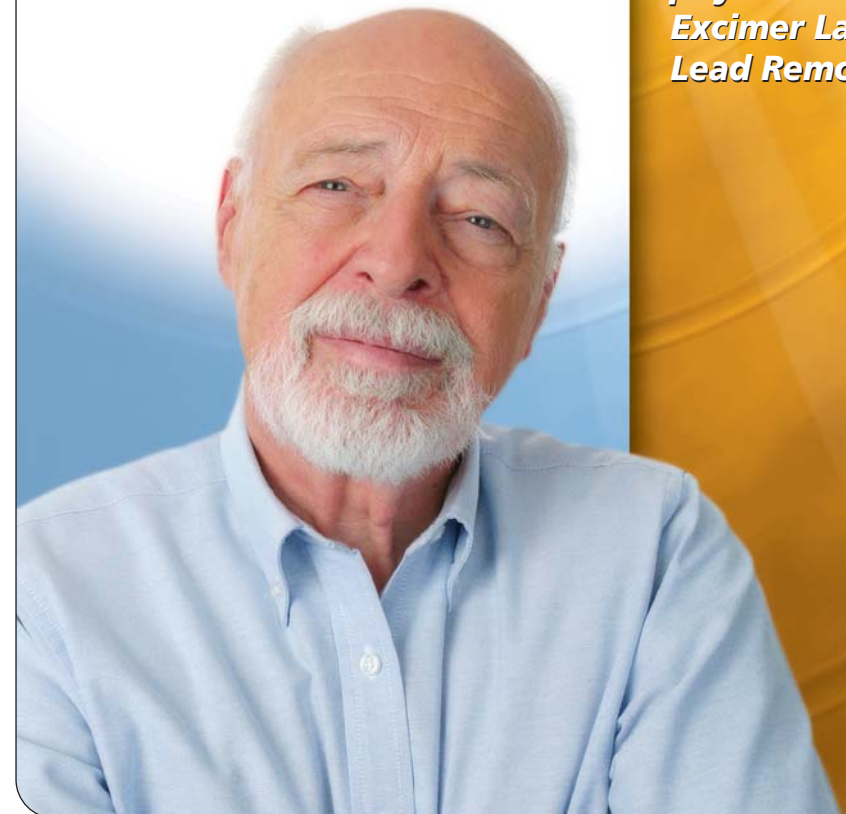
Your physician takes every precaution to ensure your safety and health, however, every procedure involves risk. Although rare, complications may occur. Please talk to your doctor about Laser Lead Removal. For additional information see the *Indications For Use* on the Spectranetics website at www.spectranetics.com/IFU

GENTLE POWER WITH THE SPEED OF LIGHT

Spectranetics

How easily can my old
**leads be
removed?**

*See why your
physician uses
Excimer Laser
Lead Removal.*

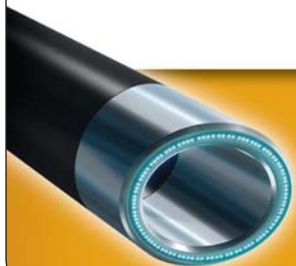
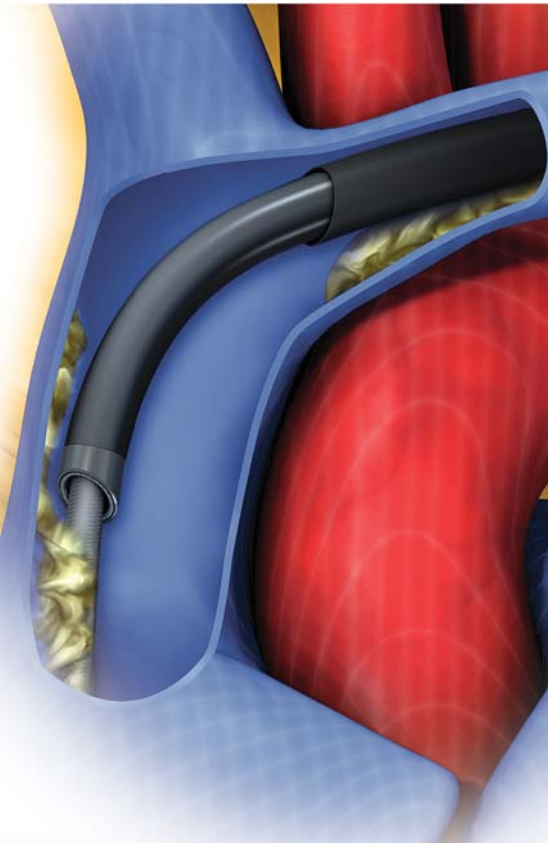


Excimer Laser Lead Removal Technology:

Gentle power with the speed of light.

A key challenge in removing a pacemaker or defibrillator lead from the heart is overcoming the fibrous tissue that grows around the lead and adheres to it. The Spectranetics Laser Sheath (SLS II®) delivers ultraviolet light generated by the Spectranetics Excimer Laser system to free leads from this binding tissue.

A ring of laser energy gently dissolves the scar tissue into particles that are easily absorbed into the bloodstream. This process frees the lead from the binding tissue and enables the physician to remove the lead in a controlled fashion.



The Spectranetics Laser Sheath transmits ultraviolet laser light through optical fibers to help free the lead.

Excimer Laser Lead Removal Technology:

Safe, effective and efficient results.

Why Laser Lead Removal is Safe*

The Spectranetics Excimer laser enables the removal of leads with low risk of damage to the surrounding heart and veins. The Laser emits pulses of energy from the ultraviolet spectrum of light, specifically at 308 nm wavelength. This is similar to the laser used in eye surgery. The penetration depth is less than 100 microns, or about the equivalent of the diameter of a human hair. As a result, the laser energy is absorbed by the binding tissue directly in front of the laser sheath tip causing it to dissolve into tiny particles easily absorbed by the bloodstream. This process results in controlled removal of leads.

Why Laser Lead Removal is Effective*

The Spectranetics Laser Sheath delivers laser energy around the entire lead to dissolve binding tissue. Summary results of a clinical trial showed a significantly higher success rate in the removal of leads using the Laser Sheath over manual tools alone (94% vs. 64% respectively).

Why Laser Lead Removal is Efficient*

Use of the Spectranetics Laser Sheath facilitates predictable lead removal procedure times by effectively addressing various types of binding tissue. A clinical study showed that the laser sheath enables faster and less variable procedure times than manual tools alone.



* Safe, Effective and Efficient data referenced from FDA: Summary of Safety and Effectiveness Data – Spectranetics 12 French Laser Sheath Kit – PLEXES: P960042, December 9, 1997; Byrd, Charles, et al. Clinical Study of the Laser Sheath for Lead Extraction: The Total Experience in the United States. *Journal of Pacing and Electrophysiology*, Vol. 25, No. 5, May 2002; and Wilkoff, Bruce, L., et al. Pacemaker Lead Extraction with the Laser Sheath: Results of the Pacing Lead Extraction with Excimer Sheath (PLEXES) Trial. *Journal of the American College of Cardiology*, Vol. 33, No. 6, May 1999.