

# How Does CellFX nsPFA Technology Work?



**Nonthermal Nanosecond Pulsed Field Ablation (nsPFA)** technology delivers nanosecond (billionth of a second) duration pulses of electrical energy



High speed nanosecond energy pulses penetrate the cell membrane and **disrupt internal cellular function**, resulting in **natural cellular removal**



Unlike thermal (heat/cold) modalities, nsPFA directly effects cellular structures while **preserving noncellular tissue** including skin, vessels, and nerves



## Safe

CellFX technology only affects cellular soft tissue, like nodules, increasing safety around other critical structures like nerves, vessels, and skin.



## Fast

CellFX procedures typically take only a few minutes, varying based on soft tissue nodule size.



## Natural Healing

CellFX technology promotes a rapid, natural process for clearing unwanted cellular tissue instead of causing immediate necrosis like thermal modalities such as radiofrequency or microwave, can result in a gentle and comfortable post-procedure experience.

### After Your CellFX Ablation Procedure

After a CellFX ablation procedure, most patients experience minimal side effects, such as temporary redness or swelling. These typically resolve quickly, enabling you to resume your daily activities without a lengthy or uncomfortable recovery.

### Learn More and Schedule a Consultation

Ready to take the next step? Ask your doctor and discover how CellFX technology can benefit you. Schedule your consultation today.

**Indications for Use:** The CellFX Percutaneous Electrode System is indicated for ablation of soft tissue in percutaneous, and intraoperative surgical procedures. The CellFX Percutaneous Electrode System (Percutaneous Electrode) is not indicated for use in cardiac procedures. The CellFX Percutaneous Electrode System is FDA Cleared for use in the United States only.

# CellFX®

## Soft Tissue Nodule Ablation Procedure

### Cell-Targeting Technology to Naturally Clear Soft Tissue Nodules and Other Soft Tissue Cellular Lesions



# Before and After CellFX Ablation Procedure

## Benefits of the CellFX Procedure

- **Precision Procedure:** Specifically targets only the cells of your benign soft tissue nodule, sparing nearby healthy tissue and nearby critical structures.
- **Minimal Discomfort:** Minimally invasive procedure with less pain and discomfort compared to traditional methods such as surgery.
- **Quick and Efficient:** Procedures typically last only minutes once started, and most patients can return to daily activities with little to no downtime.
- **Minimally Invasive:** CellFX technology minimizes scarring and preserves the appearance of the treated area with only small needle puncture through the skin.



Photography Courtesy of and Results Demonstrated from Clinical Investigation Conducted by:  
**Prof. Stefano Spiezia, Ospedale del Mare**

## FAQs

### Is the CellFX ablation procedure painful?

Most patients experience minimal discomfort during and after the procedure. The CellFX ablation procedure is minimally invasive and does not involve surgical incisions, so it causes less pain and visible scarring compared to traditional surgical methods. Local anesthesia will be used to reduce any discomfort.

### How long does a typical CellFX ablation procedure take?

The actual procedure with the CellFX system can take as little as a few minutes. However, the total visit time may vary depending on the size and location of the soft tissue nodule being treated. Your doctor will provide you with a more accurate timeline based on your specific condition.

### What can I expect during recovery from a CellFX procedure?

Recovery times are generally short, typically within a few days. You may experience some redness or swelling at the procedure site, which typically resolves within a few days. Most patients can resume their normal activities almost immediately after the procedure.

### How soon will I see results after the CellFX procedure?

The timing and results can vary depending on the type and size of the soft tissue nodule treated. Some patients notice improvements soon after the treatment as the body begins to naturally clear the affected cells. Complete results are typically observed in a few weeks once the healing process has concluded. Your doctor will provide you with more specific information regarding the expected timeline for your individual case.

## What to Expect During Your Procedure

1. **Consultation:** You will meet with your doctor to discuss if CellFX ablation is right for you.
2. **Preparation:** The area around your tumor will be prepared and local anesthesia may be administered to numb the area.
3. **Procedure:** Using the CellFX system, your doctor will treat the tumor with a minimally invasive technique, guided by ultrasound, which usually takes only a few minutes.
4. **Post Procedure:** You can go home immediately after the procedure and resume most activities.