



Frequently Asked Questions

What is the CellFX procedure?

The CellFX procedure is an innovative option to clear common skin conditions, such as benign spots, bumps or growths known as lesions. Most common skin lesions are made up of abnormal cells. The CellFX procedure clears cells in the treatment zone while sparing the surrounding non-cellular dermis (layers of skin tissue) – helping to prevent unnecessary damage and to minimize the risk of scarring.¹⁻⁴

What is a skin lesion?

A lesion is the medical term for a part of the skin that has an irregular appearance compared to the healthy skin around it. A lesion is typically made up of cells, caused by malformations of the structure of the skin.

On the surface of your skin, a lesion can look like a spot, bump, or growth, can be flat or raised, can have pigment or be clear and can appear anywhere on the face and body. While the lesion appears at the surface of your skin, most cells of a lesion extend underneath the surface into the deeper layers of your skin (the dermis) and can reside at unknown depths. Many factors, including the natural aging process, can cause different types of lesions.

What kind of skin problems can be addressed with the CellFX procedure?

The CellFX procedure is currently used to clear common benign lesions, such as sebaceous hyperplasia, seborrheic keratosis and common warts.* Its effect on other common lesions is currently being studied by leading skin experts.

How does the CellFX procedure work?

The CellFX procedure uses an innovative technology that uniquely works at the cellular level where the skin problem resides. The technology uses ultrafast electrical energy pulses to alter cells in the treatment zone, stimulating a gradual clearing of the cells that lead to the regeneration of new cells while keeping the healthy collagen foundation unharmed.

How is the CellFX procedure different from other ways to clear lesions?

The difference with the CellFX procedure is that it affects cells and only cells. This means it can clear the lesion – which is primarily comprised of cells – without affecting the surrounding non-cellular skin tissue, primarily comprised of collagen.

The science behind the CellFX procedure is called Nano-Pulse Stimulation™ (NPS™) technology. NPS technology uses a non-thermal energy, which means it does not generate heat or cold. Other methods such as burning, freezing, or cutting involve unnecessary destruction of surrounding skin tissue in removing a lesion, which can lead to a greater risk of scarring or other permanent undesired effects.

The ability to affect only cells using a non-thermal energy provides your doctor unique control in clearing the lesion. All these beneficial differences can help minimize the risk of scarring, lessen the chance of lesion recurrence and support a more natural, gradual healing process.

How long does the CellFX procedure take?

Your doctor will schedule the total appointment time required for your visit. After preparation time of each lesion, the actual time of the CellFX procedure session is typically 15 minutes depending on the number of lesions to be treated. Treatment of each lesion usually requires only 10-15 seconds of pulsing.

Can multiple lesions be treated in one procedure?

Yes, multiple lesions and lesion types may be treated in one procedure session. Since each lesion can be treated in a matter of seconds, it's practical to have multiple lesions treated in a single procedure. Your doctor will design a treatment plan that works for you.

How soon can I return to normal activity?

Generally, most patients can immediately return to normal activity. Your doctor may recommend wearing a small bandage and/or ointment to protect the area during the initial healing process.

Your doctor may make special recommendations for lesions that are in areas of the body that bear weight (e.g. knees, feet) or are in constant contact with other parts of the body (e.g. underarms, inner thigh) or with clothing (e.g. waist, trunk, bra line).

What should I expect during a CellFX procedure?

The CellFX procedure is an energy-based method of clearing benign skin lesions. Your doctor can explain that individuals experience energy-based procedures differently. This experience can range from no sensation to twitching and muscle stimulation, and can vary depending on location of your lesion, individual sensitivity, anesthesia technique used, and response to anesthesia.

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After your doctor numbs the lesion area, the treatment tip will be placed on each lesion and microneedles will surround the lesion in your skin. You may feel pressure from the microneedles of the treatment tip. Your doctor will then begin a series of rapid energy pulses (a “cycle”) that will be delivered to the lesion area. This cycle of energy pulses lasts 10-15 seconds for each lesion area being treated.

During the procedure, you will hear a clicking sound as the cycle of energy pulses is being delivered. Along with the pressure of the microneedles, you may feel certain sensations, such as tapping, and you may also experience twitching or muscle stimulation.* Because the nervous system communicates and functions via electrical energy signals, twitching and muscle stimulation are normal reactions. These potential reactions are temporary and should subside after the cycle is complete. If you feel discomfort, let your doctor know and your doctor may choose to administer additional anesthesia.

**With local anesthesia, most patients reported feeling no to mild pain during the procedure depending on individual sensitivity of the patient*

Is there any special preparation?

Prior to the procedure, there is typically no special preparation needed, unless specified by your doctor. For instance, for facial lesions, your doctor may recommend to remove makeup prior to your appointment.

What is the healing process like?

Your physician will advise you on the healing process for your type of lesion(s). The healing process and period of time can vary by individual depending on the size, location and type of lesion, your skin type, and natural variations in healing rates.

Generally, the larger and deeper the lesion, the longer the healing process. Because the CellFX procedure stimulates a gradual clearing of the cells in the treatment zone, the natural process of the skin healing through regeneration of skin cells occurs over a longer period of time.

As the lesion clears, new cells will regenerate to form a new skin layer. During this process, you may experience signs of normal and expected healing at the treatment site. This includes reactions such as mild to moderate reddening, swelling, crusting and scabbing.

You may also experience certain skin effects. The most common potential effect is mild pigmentary changes (darkening or lightening of the treatment area). Like many common aesthetic procedures, pigmentary changes are more often seen in patients with darker skin tones. In most patients, these pigmentary changes are temporary and resolve over time. However, in some patients this

effect can be persistent in certain lesion types. Your physician may provide supplemental skin care options for potential skin effects to help with your overall skin recovery. Less common skin effects include slight facial contour changes caused from clearance of the lesion, which resolves as normal skin tissue regenerates and fills in the area.

When will I see results?

Your physician will advise you on what the expected results and healing time may be for the lesion type and your skin type. The time it will take to see results, the number of procedures required for lesion clearance and overall healing time will vary, as the overall skin recovery process happens in the following stages:

- Gradual clearance of cellular lesions
- Early regeneration by cells (skin healing)
- Natural replacement of normal tissue
- Return of normal skin appearance over time

Timing of each of these stages will vary by lesion size, anatomical location and skin type. After 30 days, your physician may determine if an additional procedure session is recommended for optimal lesion clearance.

Any potential skin effects, such as pigmentary changes, may take an additional period of time to fully resolve. As appropriate, your physician may offer skin care options to accelerate the healing of your skin.

Larger, deeper lesions may require longer periods of time to complete the clearance and healing process. In addition, your physician may recommend an additional procedure session to ensure complete clearance of the lesion cells.

How many visits are needed?

Your physician will provide guidance on how the number of procedure sessions you may need is related to the type of lesion, locations of lesion, skin type and expectations on the healing process. Larger, deeper lesions may require more than one procedure session, whereas smaller lesions may be able to clear with a single procedure session.

Are there any side effects with the CellFX procedure?

In clinical studies, no serious side effects have been reported.

How much does a CellFX procedure cost?

The CellFX procedure is a cash-pay procedure and the cost will vary, based on the number of lesions. Consult with your doctor for more detailed information.

1. Kaufman D, et al. A dose-response study of a novel method of selective tissue modification of cellular structures in the skin with nanosecond pulsed electric fields. *Lasers in Surgery and Medicine* 2019; 52:315-322. 2. Munavalli G, et al. Safety and efficacy of nanosecond pulsed electrical field treatment of sebaceous gland hyperplasia. *Dermatologic Surgery* 2020; 46:803-809. 3. Hruza G, et al. Safety and efficacy of nanosecond pulsed electrical field treatment of seborrheic keratoses. *Dermatologic Surgery* 2019; 00:1-8. 4. Newman J, et al. A dose-response study of nanosecond energy pulses on facial skin. *J of Cosmetic and Laser Therapy* 2020. Accessed online at: <https://doi.org/10.1080/14764172.2020.1827151>.