Skin Care After Fractionated Carbon Dioxide Laser Treatment

This information will help you care for your skin after your fractionated carbon dioxide (CO₂) laser treatment.

After CO₂ laser treatment, it usually takes about 1 to 2 weeks for your skin to heal. Your skin will be very sensitive during this time. Follow the guidelines below to help your skin heal and prevent infection.

Some people need many treatments to get the best results. Ask your doctor how many treatments you will need.

Skin Care after CO₂ Laser Treatment

Once your CO₂ laser treatment is done, your nurse will give you an ice pack to cover the treated area. Hold the ice pack on the treated area for 15 minutes. This will help reduce swelling and make you more comfortable.

Before you leave, your nurse will cover the treated area with petroleum jelly (Vaseline®) or an antibacterial cream such as mupirocin (Bactroban®), and a bandage.

At home

You can shower right away after your treatment. Don’t take a bath until the treated area has healed.

For the first 2 to 3 days after your treatment:

- Apply an ice pack wrapped in a soft cloth to the treated area. Hold the ice pack on the treated area for 15 to 20 minutes. Put the ice pack on the treated area every few hours, or 1 to 5 times each day. After the first 2 to 3 days, use the ice pack as needed.
For __________ days after your treatment:

- Gently wash the treated area by switching between washing with diluted white vinegar and water and regular soap and water. For example, you can wash with vinegar and water in the morning, and soap and water at night. After washing the area, put on __________________ ointment. Do this 2 times each day.

- Don’t use well or groundwater to clean your treated site directly. You will need to buy distilled water to clean your site if you live in a place that only has well water. If you’re taking a shower with well or groundwater, keep your site covered.

- Keep the treated area covered with a bandage (Band-Aid®). Change the bandage 2 times each day, after washing the area.

For 1 to 2 weeks after your treatment:

- Don’t use saunas, swimming pools, baths, or hot tubs (such as a Jacuzzi®).

- Don’t shave over the treated area.

General tips

- Don’t wear makeup on the treated area until it’s completely healed.

- Avoid exposing the treated area to the sun until it’s completely healed. If you need to be in the sun, use sunscreen of at least SPF 30 or wear clothing or a hat that protects the treated area from the sun.

- If you have a history of facial herpes (cold sores), you should take an antiviral medication before and during your treatment. Talk with your doctor that treats this condition about prescribing medication for you. Tell your healthcare team if you develop any new blisters or sores before, during, and after your treatment.

It usually takes many weeks for people to notice that the treated area is healing. During this time, the area may turn a red or blackish color, and a crust may form. The crust should slowly go away 1 to 2 weeks after treatment. Don’t pick at or remove the crust. It will fall off on its own.
Medications after CO₂ Laser Treatment

If you have pain or discomfort, taking acetaminophen (Tylenol®) or NSAIDs (such as Motrin® or Advil®) may help. Ask your healthcare provider how much acetaminophen or NSAIDs you should take.

Don’t take acetaminophen if you have liver problems. Don’t take NSAIDs if you have kidney problems. If you’re having pain but have a history of liver problems or kidney problems, call your doctor’s office.

Call Your Doctor or Nurse if You Have:

- A fever of 101° F (38.3° C) or higher
- Chills (shaking)
- Green or yellowish drainage from the treated area
- Increased pain or discomfort
- Increased redness or swelling around the treated area
- Bleeding that doesn’t stop when after applying pressure
- Pain or discomfort that isn’t helped by pain medication

If you have any questions, contact a member of your healthcare team directly. If you're a patient at MSK and you need to reach a provider after 5:00 PM, during the weekend, or on a holiday, call 212-639-2000.

For more resources, visit www.mskcc.org/pe to search our virtual library.