

# Information and Consent Form for Fractional CO<sub>2</sub> Laser Treatment

## ✿ About Fractional CO<sub>2</sub> Laser Treatment

The latest ablative fractional laser technology enables the selection of treatment modes based on specific skin conditions, allowing for the treatment of acne scars, wrinkles, pigmentation disorders, and skin rejuvenation.

This fractional CO<sub>2</sub> laser emits light at a wavelength of 10,600 nm, which reacts with the water content in the skin, producing vaporization and thermal coagulation. These effects allow for precise removal of targeted tissue, contraction of collagen fibers, and subsequent regeneration. As a result, this treatment is considered effective for improving acne scars, enlarged pores, uneven skin texture, and overall skin quality.

## ✿ Indications

This treatment may be suitable for the following conditions:

- Acne scars (atrophic, pitted scarring)
- Enlarged pores and uneven skin texture
- Wrinkles and fine lines
- Hypertrophic or atrophic scars
- Skin tags
- Benign pigmented lesions of non-cancerous origin (e.g., flat moles)
- Rhinophyma (thickened skin on the nose, associated with rosacea)

## ✿ Treatment Procedure and Post-Treatment Course

Treatment will be performed using a laser mode appropriate for the specific skin condition being addressed.

Immediately after the procedure, you may notice redness, swelling, and small white spots where the skin appears whitish due to the detachment of the outer skin layer. These are expected and desirable responses to the treatment and are not a cause for concern.

Redness and swelling typically persist for around 3 days to 2 weeks after treatment but will gradually improve on their own.

A stinging or burning sensation may also be felt immediately after the procedure; however, this is temporary and should subside over time.

Please note that there may be individual differences in how the skin reacts and heals. In some cases, it may take longer than usual for symptoms to improve.

## ✿ Precautions

- After treatment, the skin will be highly sensitive. Please avoid using harsh skincare products that may cause irritation, eczema, or itching.
- Swelling and redness in the treated area may be relieved by cooling. If symptoms do not improve or if you have concerns, please contact us.
- To prevent dryness, keep the area moisturized with petroleum jelly (e.g., Vaseline) for 1–2 days following the treatment.
- Keep the skin clean to prevent infection. While redness or swelling persists, gently cleanse the area with lukewarm water or plain water. Do not use scrubs or face washes with exfoliating or peeling agents.

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## ✿ Precautions

- Unless complications occur, makeup may be applied 3–5 days after treatment. Shaving should be avoided until any scabs have naturally fallen off.
- Avoid strenuous exercise, saunas, and alcohol consumption on the day of treatment.
- During the treatment period, use sunscreen (SPF 30 or higher) daily to protect your skin and reduce the risk of complications such as hyperpigmentation.
- Please note that the recovery process may vary depending on the individual.
- Unexpected complications or side effects may occur during or after treatment.
- It is normal for the treated area to appear red or swollen for several days after treatment. Proper post-treatment skincare during this period is essential to support healing and prevent complications. Until treatment is fully complete, it is necessary to use sunscreen regularly to reduce the risk of post-inflammatory pigmentation.

## ✿ Possible Complications

- In rare cases, the treated area may develop bruising, purpura (purple discoloration), or burns, including those that result in blistering.
- Hyperpigmentation may occur. In most cases, this gradually improves over several months, though in very rare instances, it may not completely resolve.
- Mild eczema or itching may occur in rare cases.
- Melasma (dark patches on the skin) may worsen in some individuals.

## ✿ Patients Who Cannot Receive Treatment or Require Special Precaution

Treatment cannot be performed in the following cases:

- Patients currently taking Accutane (Isotretinoin)
- Pregnant or breastfeeding individuals
- Presence of active infection in the treatment area
- Patients with melasma
- Individuals with neurological disorders, heart disease, or diabetes
- Presence of active herpes simplex virus (HSV type I or II) in the treatment area
- Patients with photosensitivity
- Individuals with immune deficiencies or who are taking immunosuppressive medications
- Patients taking blood-thinning medications (antiplatelet or anticoagulants)
- Individuals with bleeding disorders
- Presence of skin tumors in the treatment area
- Individuals prone to keloid scarring
- Vascular disorders, tattoos, or cosmetic tattoos (permanent makeup) in the treatment area
- Recent sunburn or excessive sun exposure

Please be sure to follow all instructions provided by your treating physician throughout the treatment period. Not following these instructions may reduce the effectiveness of the treatment and increase the risk of complications.

If you experience any unusual symptoms during the treatment process, please promptly report them to a doctor or nurse, and follow the physician's guidance after a proper medical assessment.

At our clinic, we take clinical photographs to document treatment progress and include them in your medical records. If you do not consent to these photographs, it may not be possible to adequately monitor your progress, and we may not be able to appropriately address inquiries about treatment results or manage complications (e.g., skin reactions or nerve symptoms) that may occur.

Please be aware that additional treatment fees may apply in the event of complications.