

CONTRAINDICATIONS

(PATIENTS THAT SHOULD NOT TREATED INCLUDE):

- Those who are pregnant
- Those who are sunburned or have irritated skin in the sites to be treated
- Those who are exhibiting unidentified skin conditions in the sites to be treated
- Those who have healed poorly after other types of laser treatments
- Patients prone to skin discoloration
- Patients who are taking photosensitizing medication, such as Accutane, should consider discontinuing the medication 6 months before treatment
- Patients who are taking topical Retin-A, patients should wait 2 weeks before treatment
- Don't apply laser energy to any raised lesions, aside from purely red ones i.e. angiomas; other lesions should first be checked by a dermatologist

Patients who are sunburned should wait until the burn subsides. Herpes Simplex Labialis (fever blisters) can be activated by laser treatment, especially on the upper lip, and patients with a tendency for fever blistering can be started on antiviral medication before treatment.

HOW MANY TREATMENT SESSIONS ARE REQUIRED?

This can vary depending on skin and severity of the condition, but generally 4 to 6 sessions are required to achieve a good result. After that, the patient may need maintenance every few months depending on their skin type.

WHAT IS THE TREATMENT INTERVAL?

Patient should receive 1 treatment every one to two weeks.

WHAT IS THE IDEAL DISTANCE TO HAVE THE HANDPIECE WITH 6MM LENS AWAY FROM THE SKIN WHILE DOING ACNE TREATMENTS? AND THE 2MM LENS?

The distance does not actually matter, as this is the only laser available with a collimated beam. We recommend working from a distance of 1 to 3 inches with the 6mm lens, so it is close enough for easy aiming yet far enough from the skin so that the handpiece does not visually obscure the target. Although the distance doesn't affect the energy being emitted at the suggested distance, the size of the aiming beam is truer to the spot size. *(Continued on next page)*

SETTING EXPECTATIONS

Patients need to be informed that clearance of acne typically takes up to 6 treatments in order to see a good result. Acne is caused when pores become clogged and then infected with the p. acnes bacteria. It is not always caused by poor diet or hygiene, but a change in each may help yield better results. The laser light heats of the affected area to effectively kill the p. acnes bacteria while also helping to shrink the sebaceous glands, which will cause them to produce less oil, limit future outbreaks and reduce pore size. Also, some patient's condition may become worse before it gets better. This should subside as the treatments progress. The patient should be aware of this risk and common occurrence, otherwise the patient might opt out of continued treatments. There is no cure for acne, only maintenance, so the patient should be aware that they may need more treatments in the future.

DO I NEED TO USE TOPICAL ANESTHESIA? WHAT ABOUT GELS?

No. Anesthetics and cooling gels are not needed with Neo Elite, because MicroPulse-1064 makes it uniquely pain-free. However, some buildup of heat will be experienced and slight pinching may be felt while using the 2mm spot size. This unique benefit saves time, cost and mess by eliminating gels and sprays required by other lasers that cool the skin during treatment.

When using the 2mm lens, the distance rods should slightly touch the skin without applying too much pressure on the patient's skin. This is the best way to ensure that the appropriate energy is being delivered since the 2mm focus lens is distance dependent.

WHEN CAN I EXPECT TO SEE AN IMPROVEMENT IN MY CONDITION?

The number of treatments as well as results vary from patient to patient. Commonly, improvement may be seen anywhere from 4-8 weeks if treatments are performed every 1 to 2 weeks depending on the severity of the condition and the patient's skin's reaction to the therapy. Some patient's condition may worsen before it gets better.

WHAT'S THE SPOT SIZE FOR ACNE?

The Neo utilizes the 6mm and 2mm spot sizes for acne. The 6mm lens is used to canvas the entire affected area in order to effectively heat the sebaceous glands and destroy the p. acnes bacteria on all skin types. The 2mm lens used on skin types I-III to target each visible lesion. The number of pulses is dependent on the size of the lesion, thus effectively killing the active bacteria and reducing the redness of the affected spot.

The 6mm lens used on skin types IV-VI to target each visible lesion. The number of pulses is dependent on the size of the lesion.

CAN IT BE USED ON DARK SKIN?

Actually, the Neo Elite is the safest laser in the industry for darker skin types or tanned skin. This is because of MicroPulse-1064 technology, which essentially eliminates treatment pain while minimizing the chances of hyper- and/ or hypo-pigmentation. Patients with skin types IV-VI should not be treated with on the face with high power using the 2mm lens as the risk of hyper- and/or hypo-pigmentation is increased.

CAN IT BE USED ON ACNE SCARS?

Yes, the Neo Elite will remove pigment and redness from acne scars. It will also improve the skin's texture slightly due to the absorption of water which will rebuild collagen and elastin.

If seeking major improvement with cratering or pock marks, we highly recommend receiving an ablative Era treatment.

IS IT PAINFUL?

No, there is just a mild, very tolerable sensation of heat. This is one of the key technical breakthroughs of Aerolase technology. The Neo Elite has set a new standard for virtually pain-free treatment, even on darker skin types, thanks to MicroPulse-1064 technology.

IS IT PERMANENT, OR WILL MY ACNE COME BACK?

There is no cure for acne, only maintenance, so further treatment may be required in the future. This will vary patient to patient and some will have greater results than others depending on the severity of their acne, their skin type, and their daily maintenance.

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Some patients will not respond as well as others, and one factor is hair color. Some hairs don't contain enough melanin to absorb the necessary energy to destroy or damage a follicle, and this is often the case with a light-colored hair (i.e., blonde, gray, red). Another common factor as to why a patient may not respond well is strong hair regrowth caused by hormonal imbalance, including PCOS (Polycystic Ovarian Syndrome).

Patients who are sunburned should wait until the burn subsides. Herpes Simplex Labialis (fever blisters) can be activated by laser treatment, especially on the upper lip, and patients with a tendency for fever blistering can be started on antiviral medication before treatment.

SETTING EXPECTATIONS

Patients need to be informed that a very good result with laser hair removal (LHR) is when approximately 15% clearance is achieved in each treatment session, and that an excellent final outcome of clearance of 80% or more after 6 treatments is exceptional. So, they should have realistic expectations of the results from each session and the final outcome, and in the end they should never expect 100% clearance. Also, some patients will respond very little, or not at all, even if all the settings and technique are properly applied; this is most likely due to hormonal conditions or other medical issues. The clinician should consider a checkup after the second treatment to ensure, with photographic verification, that hair clearance is progressing at the same or similar rate as described herein, otherwise the patient might opt out of continued treatments.

DOES THE PATIENT NEED TO SHAVE BEFORE THE PROCEDURE?

The patient should shave 2 or 3 days before the procedure, leaving small 2 to 3mm stubs of hair, but no longer. This is critically important for several reasons:

1. Visible stubs ensures the hairs haven't been waxed or plucked, so the shaft and follicle are intact and therefore efficacy is not compromised;
2. Seeing the stubs allows you to establish the appropriate fluence for the patient, which should be set at a level that causes most of the stubs to visibly singe;
3. Seeing the stubs allows you to target the areas with actual follicles, rather than wasting time delivering pulses on the skin in between follicles; and
4. Seeing the hairs that DON'T singe enables the clinician to perform a second pass of 1 or 2 pulses per hair that DID NOT respond, to enhance total clearance per session.

HOW MANY TREATMENT SESSIONS ARE REQUIRED?

This can vary depending on skin and hair color, but generally 4 to 6 sessions are required for 80% clearance or greater, which is considered very good in aesthetic laser medicine. After that, an annual maintenance treatment is recommended.

HOW OFTEN SHOULD TREATMENTS BE COMPLETED?

- For PFB, it is recommended that one treatment be completed every 2 to 3 weeks.
- For LHR, it is recommended that one treatment be completed every 4 to 8 weeks depending on the area being treated.

HOW DOES THIS TREATMENT WORK ON PFB (INGROWN HAIR)?

Melanin is absorbed in both the hair follicle and skin. This not only damages the hair follicle and impedes growth, but also removes PIH (Post-Inflammatory Hyperpigmentation) in the surrounding area. Thus eliminating bumps caused by ingrown hair.

WHAT'S THE SPOT SIZE FOR LASER HAIR REMOVAL?

The Neo utilizes 6mm and 5mm spot sizes for LHR. If the hair stubs are not actively singeing when treated with the 6mm lens, it is necessary to switch to the 5mm lens. These spot sizes are ideal for deep penetration to the follicles while still providing a uniquely gentle laser pulse and sanitary treatment with a handpiece that doesn't contact the skin.

WHAT IS THE IDEAL DISTANCE TO HAVE THE HANDPIECE WITH 6MM LENS AWAY FROM THE SKIN WHILE DOING LASER HAIR REMOVAL? AND THE 5MM LENS?

The distance does not actually matter, as this is the only laser available with a collimated beam. We recommend working from a distance of 1 to 3 inches with the 6mm lens, so it is close enough for easy aiming yet far enough from the skin so that the handpiece does not visually obscure the target. Although the distance doesn't affect the energy being emitted at the suggested distance, the size of the aiming beam is truer to the spot size.

When using the 5mm lens, the distance rods should slightly touch the skin without applying too much pressure on the patient's skin. This is the best way to ensure that the appropriate energy is being delivered since the 5mm focus lens is distance dependent.

DO I NEED TO USE TOPICAL ANESTHESIA? WHAT ABOUT GELS?

No. Anesthetics and cooling gels are not needed with Neo Elite, because MicroPulse-1064 makes it uniquely pain-free. However, some buildup of heat will be experienced, and it is helpful if the clinician simply presses upon the treated area occasionally with the surgical glove that he/she is wearing, as this speeds up the dissipation of that heat.

IS IT PAINFUL?

No, there is just a mild, very tolerable sensation of heat. This is one of the key technical breakthroughs of Aerolase technology. The Neo Elite has set a new standard for virtually pain-free treatment, even on darker skin types, thanks to MicroPulse-1064 technology. This unique benefit saves time, cost, and mess by eliminating gels and sprays required by other lasers that cool the skin during treatment.

Please note that if the patient's hair is longer than 3mm, there is a possibility that they will experience more discomfort.

DO THE HAIRS FALL OUT? IF SO, WHEN?

If the laser lens and fluence setting are chosen correctly, many hairs will singe upon contact with the laser beam and will disappear. Some hairs which are in a dormant growth phase will not respond at all, although some of them will be damaged even if they did not singe. Those which are damaged may fall out within a few days after treatment or even immediately if the treatment site is rubbed.

IS IT OK TO DO MULTIPLE PASSES OR PULSES OVER THE SAME HAIR FOLLICLES?

While it is not necessary to do multiple passes for hair removal, there is no contraindication to doing so. If there are hairs that did not singe or are still present, they should be removed during one of the following treatments and extra time does not need to be invested towards going over areas twice. As a general rule to appease patients, a clean-up pass to singe any remaining hairs may be done.

CAN IT BE USED ON DARK SKIN?

Actually, the Neo Elite is the safest laser in the industry for darker skin types or tanned skin. This is because of MicroPulse-1064 technology, which essentially eliminates treatment pain while minimizing the chances of hyper- and/ or hypo-pigmentation.

CAN IT BE USED ON BLONDE OR GRAY HAIR?

There is no light based hair removal technology which is efficient on blonde or gray hair because Melanin is the primary target or chromophore in laser hair removal, so treatment efficacy is typically much lower if the hair is low in melanin (like gray or blonde hair).

IS IT PERMANENT, OR DO THE HAIRS GROW BACK?

The FDA requires that laser manufacturers describe the process as “permanent hair reduction”, not “permanent hair removal”, because, in their words, “although laser treatments with these devices will permanently reduce the total number of body hairs, they will not result in a permanent removal of all hair.” Patients can generally expect more than 75% to 80% clearance after 6 sessions and should plan on 1 or 2 annual follow up sessions for ideal maintenance.

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- Patients who are taking topical Retin-A, patients should wait 2 weeks before treatment
- Don't apply laser energy to any raised lesions, aside from purely red ones i.e. angiomas; other lesions should first be checked by a dermatologist

Patients who are sunburned should wait until the burn subsides. Herpes Simplex Labialis (fever blisters) can be activated by laser treatment, especially on the upper lip, and patients with a tendency for fever blistering can be started on antiviral medication before treatment.

HOW MANY TREATMENT SESSIONS ARE REQUIRED?

This can vary depending on the size density of melanin and depth of the affected area. Typically melasma will lighten or disappear completely after 3–5 treatments although in some cases more treatments may be necessary.

HOW OFTEN SHOULD TREATMENTS BE PERFORMED?

One treatment should be completed every 3–4 weeks.

WHAT CAUSES MELASMA?

Melasma is a very common patchy brown, tan, or blue-gray facial skin discoloration, primarily seen on the upper cheeks, lip, forehead and chin of women 20–50 years of age. Uncontrolled sunlight exposure is considered the leading cause of melasma, especially in individuals with a genetic predisposition to this condition. Melasma is most common among pregnant women, called Chloasma, especially those of Latin and Asian descents. People with olive or darker skin, such as Hispanic, Asian, and Middle Eastern individuals, have higher incidences of melasma.

SETTING EXPECTATIONS

Some patients may not respond as well as others. Melasma lesions tend to darken after the first or subsequent treatments. Key factors in terms of treatment response are whether there is a sufficient melanin in the affected area, the depth of the lesion, and other factors. Regardless of the treatment response, recurrence is common and can be caused by factors such as sun exposure, genetic disposition and hormones. It is important to understand that melasma, like eczema and psoriasis, is a chronic condition that can be controlled rather than cured.

DO I NEED TO USE TOPICAL ANESTHESIA? WHAT ABOUT GELS?

No. Anesthetics and cooling gels are not needed with Neo Elite, because MicroPulse-1064 makes it uniquely pain-free. However, some buildup of heat will be experienced, especially using higher fluences with the 2mm lens.

IS IT OK TO DO MULTIPLE PASSES OR PULSES OVER THE SAME AREA?

It is recommended that 5–6 passes should be performed during each treatment session.

WHAT'S THE SPOT SIZE FOR MELASMA?

The Neo typically utilizes a combination of lower and higher fluences with the 6mm lens. Typically, higher energy settings are needed for lighter spots, while lower energy settings are required to get rid of darker spots. Consider using the 5mm spot size on skin types I–III as melasma lightens. The handpiece does not need to touch the skin when using the 6mm spot size, but when using the 5mm spot size, the distance rods should touch the skin slightly without applying pressure.

CAN IT BE USED ON DARK SKIN?

Actually, the Neo Elite is the safest laser in the industry for darker skin types or tanned skin. This is because of MicroPulse-1064 technology, which essentially eliminates treatment pain while minimizing the chances of hyper and/or hypo-pigmentation. Patients with skin types IV–VI should be treated very cautiously, especially in the facial region, as they pose a higher risk of having hyper and/or hypo-pigmentations.

CAN IT BE USED ON RAISED PIGMENTED SPOTS?

A dermatologist should first check raised pigmented spots before starting any kind of treatment. If the dermatologist clears the patient for treatment, you may proceed with administering treatments.

WHAT HAPPENS AFTER TREATMENT?

Typically, melasma will slowly lighten over the course of the next few days to weeks as the pigmented area is slowly absorbed into the skin by your body's natural healing process. In some cases, the pigment will darken before becoming lighter. In the event that any crusting or scabbing occurs, it is important to always keep the area moist as to reduce the risk of scarring.

IS IT PAINFUL?

There is a mild sensation of heat that is very tolerable. A slight pinching feeling may occur when using higher fluences with the 2mm lens. This is one of the key technical breakthroughs of Aerolase technology! The Neo Elite has set a new standard for virtually pain-free treatment, even on darker skin types, thanks to MicroPulse-1064 technology. This unique benefit saves time, cost and mess by eliminating gels and sprays required by other lasers that cool the skin during treatment.

IS IT PERMANENT, OR WILL MELASMA COME BACK?

Melasma is typically characterized by having up and down periods where the symptoms heighten and lessen. While the laser light can help lighten or completely rid of the pigmentation factors such as sun exposure, hormones and your genetic disposition can play a role in a recurrence of the symptoms.

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HOW MANY TREATMENT SESSIONS ARE REQUIRED?

Typically 2-4 treatment sessions are recommended spaced out 1-2 weeks to gauge the success of each subsequent treatment and to physically view the clear nail growth. Follow-up treatments may be needed to prevent or treat reinfection.

HOW OFTEN SHOULD TREATMENTS BE PERFORMED?

It is recommended a treatment be completed once every 1 to 2 weeks.

WHAT CAUSES NAIL FUNGUS?

Nail fungal infections are caused by a group of fungi called dermatophytes. Pathogens that cause nail fungus infections usually enter the skin through tiny cuts or small separations between the nail and nail bed. The fungi grow when the nail provides a suitably warm and moist environment. Nails that are infected with fungus typically are thickened, brittle, crumbly, ragged, distorted, dull, and darker or yellowish in color. A patient may also experience onycholysis, where infected nails separate from the nail bed. Sometimes, nail fungal infections result in pain in the toes or fingertips, and they may even emit a slight foul odor.

SETTING EXPECTATIONS

Some patients will respond better than others depending on the severity of the condition and how well the patient adheres to the recommended after treatment care. While some patients may no longer be infected, their nail may not return to its natural color. Reinfection rate is high, especially in elderly patients and continuous foot care and monitoring their feet is the best regiment to deter reinfection.

DO I NEED TO USE TOPICAL ANESTHESIA? WHAT ABOUT GELS?

No. Anesthetics and cooling gels are not needed with Neo Elite, because MicroPulse-1064 makes it uniquely pain-free. However, some buildup of heat will be experienced, especially using higher fluences with the 2mm lens.

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HOW DOES THE LASER TREAT NAIL FUNGUS?

The laser light passes through the nail and skin to reach the nail bed and matrix. The laser light selectively targets the fungal infection to superheat the fungal structures in order to effectively eradicate them. It is generally agreed upon that a heat of at least 45 degrees Celsius is necessary to kill fungus, which is why the Neo Elite's unique high power in a short pulse duration makes the treatment so effective yet tolerable.

DO I NEED TREATMENT ON ALL NAILS IF ONLY ONE IS INFECTED?

Fungal infections are highly contagious and can eventually spread to other nails. Since some nails may be infected without showing any signs of infection it is recommended that all nails be treated with the laser as a precautionary measure.

IS IT OK TO DO MULTIPLE PASSES OR PULSES OVER THE SAME INFECTED AREAS?

It is generally agreed upon that heat is what causes the eradication of fungal organisms within the nail. For greater efficacy, it is advised to generate greater heat, which can be accomplished via multiple passes, but this should be determined by the patient's heat sensitivity and the severity of the condition.

WHAT'S THE SPOT SIZE FOR FUNGUS REMOVAL?

The Neo typically utilizes the 5mm and 2mm lenses for fungal treatments due to the need to generate higher power in order to superheat the fungal material beneath the nail. It is recommended to complete 3 full passes on each nail with the 5mm lens followed by completing 1 pass with the 2mm lens on nails that show visible fungus.

CAN IT BE USED ON DARK SKIN?

Actually, the Neo Elite is the safest laser in the industry for darker skin types or tanned skin. This is because of MicroPulse-1064 technology, which essentially eliminates treatment pain while minimizing the chances of hyper and/or hypo-pigmentation. Patients with skin types IV-VI should be treated very cautiously, especially in the facial region, as they pose a higher risk of having hyper- and/or hypo-pigmentations.

WHAT HAPPENS AFTER TREATMENT?

To successfully eradicate nail fungus and improve the condition and color of a nail includes both time and consistent foot care to deter reinfection. It takes a nail 9-12 months to completely grow out so it is important to be patient and adhere to the after care directions given. Immediately after treatment, you will not notice any differences in your nail. As the nail grows out you should start to see clear nail growth, which will continue as long as reinfection does not occur.

IS IT PERMANENT, OR CAN THE NAIL FUNGUS COME BACK?

Nail fungus has a higher recurrence than most treatments due to the complexity of the situation and number of steps and care needed to effectively kill an initial infection in the first place. While nails can commonly be successfully treated, there is a strong focus on deterring reinfection by consistently adhering to patient aftercare and attention to foot care. Due to the possibility of spreading and reinfection, we recommend the patients bring a clean pair of socks to each treatment session. They should also spray their shoes with an anti fungal spray, clean their showers, and their bed sheets.

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HOW MANY TREATMENT SESSIONS ARE REQUIRED?

This can vary depending on the size and color of the pigmented spot. Typically sun and age spots will disappear completely after 2-4 treatments although in some cases more treatments may be necessary.

HOW OFTEN SHOULD TREATMENTS BE PERFORMED?

It is recommended that one treatment be completed every 3-4 weeks.

WHAT CAUSES SUN AND AGE SPOTS?

Sun and age spots are commonly found on sun exposed skin. They typically do not appear until middle age and can appear in all skin types. Birthmarks and freckles are also commonly found in many people as a pigmented spot on the body without any sun damage. Spots can increase with age and with increased sun exposure. They are more common in people who freckle and who burn easily. It is important to know that if you have had enough sun to develop age spots, you have a higher risk of developing skin cancer. Age spots are collections of a pigment (called melanin) that have accumulated in the epidermis. Unlike some freckles, which darken in the summer and fade in the winter, age spots do not fade.

SETTING EXPECTATIONS

Some patients will respond better than others and the number of treatments for each lesion may depend on the darkness and size of the lesion as well as the amount of laser energy used.

After treatment the lesion should continue to darken and eventually slough off in 3-4 weeks. Some differences in pigmentation between the treated spot and surrounding tissue may persist after the lesion is fully or mostly removed.

DO I NEED TO USE TOPICAL ANESTHESIA? WHAT ABOUT GELS?

No. Anesthetics and cooling gels are not needed with Neo Elite, because MicroPulse-1064 makes it uniquely pain-free. However, some buildup of heat will be experienced, especially using higher fluences with the 2mm lens.

IS IT PAINFUL?

There is a mild sensation of heat that is very tolerable. A slight pinching feeling may occur when using higher fluences with the 2mm lens. This is one of the key technical breakthroughs of Aerolase technology! The Neo Elite has set a new standard for virtually pain-free treatment, even on darker skin types, thanks to MicroPulse-1064 technology. This unique benefit saves time, cost and mess by eliminating gels and sprays required by other lasers that cool the skin during treatment.

IS IT OK TO DO MULTIPLE PASSES OR PULSES OVER THE SAME PIGMENTATIONS?

It is recommended 1–5 passes are done on each individual lesion. If you find that there is no reaction from the first pulse, additional pulses may need to be applied to the spot.

Certain spots will react differently to the laser light. A good reaction is the spot darkening almost immediately after the laser is pulsed on the skin.

WHAT'S THE SPOT SIZE FOR PIGMENTED SPOT REMOVAL?

It is recommended to pre-heat each lesion by completing 3 passes using the 6mm lens. After that, complete 1–5 passes using the 2mm lens for skin types I–III or the 6mm lens on skin types IV–VI.

Typically, higher energy settings are needed for lighter-colored lesions, while lower energy settings are required to get rid of darker lesions. When treating the lesions using a 2mm focus lens, the distance rods should touch the skin slightly without applying too much pressure.

CAN IT BE USED ON DARK SKIN?

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CAN IT BE USED ON RAISED PIGMENTED LESIONS?

A dermatologist should first check raised pigmented spots before starting any kind of treatment. If the dermatologist clears the patient for treatment you may proceed with administering treatments.

WHAT HAPPENS AFTER TREATMENT?

The pigmented spots will continue to darken and commonly turn black. They will eventually scab over and slough off so it is important to always keep the area moist, using Aquaphor, as to reduce the risk of scarring.

IS IT PERMANENT, OR DO THE SPOTS COME BACK?

Many spots will be gone permanently, but due to the skin aging and continued sun exposure new spots will likely develop over time and more treatments will need to be performed. To slow the aging process and reduce the likeliness of new spots developing, patients should always apply sunblock when in the sun and avoid prolonged sun exposure.

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HOW MANY TREATMENT SESSIONS ARE REQUIRED?

Individual results will vary, but can depend on the body surface that is affected. Although some patients may see results sooner, typically 5 or more treatments are required.

IS IT OK TO DO MULTIPLE PASSES OR PULSE OVER THE SAME VESSELS?

When preheating the vessel, you may complete 3 passes. However, when spot treating each individual vessel with the 2mm or 5mm focus lens, it is important that you only complete one pass whether or not a change is visible due to the increased risk of scarring.

WHAT CAUSES PSORIASIS?

Psoriasis is a chronic disorder that causes thick red plaques with silvery scales on the skin. The thick scaling is due to a rapid increase in the multiplication of skin cells. Your body produces other immune responses which can lead to swelling and the rapid production of skin cells. Psoriasis symptoms tend to increase and decrease, but certain factors can cause flare-ups, including, but not limited to alcohol, stress, medications, smoking, and skin trauma.

SETTING EXPECTATIONS

Some patients may not respond as well as others. Psoriasis lesions tend to subside after the first or subsequent treatments. Regardless of the treatment response, recurrence is common and can be caused by a number of lifestyle factors. It is important to understand that psoriasis is a chronic condition that can only be controlled rather than cured.

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IS IT OK TO DO MULTIPLE PASSES OR PULSES OVER THE SAME AREA?

Typically, 3–4 passes should be performed on each psoriatic lesion to maximize the efficacy of the treatment.

WHAT'S THE SPOT SIZE FOR TREATING PSORIASIS?

The Neo typically utilizes higher fluences with the 5mm lens due to the need to destroy the microvasculature that feeds the skin lesions. When using the 5mm spot size, the distance rods should touch the skin slightly without applying pressure.

CAN IT BE USED ON DARK SKIN?

A dermatologist should first check raised pigmented spots before starting any treatment. Actually, the Neo Elite is the safest laser in the industry for darker skin types or tanned skin. This is because of MicroPulse-1064 technology, which essentially eliminates treatment pain while minimizing the chances of hyper- and/or hypo-pigmentation. Patients with skin types IV–VI should be treated very cautiously, especially in the facial region, as they pose a higher risk of having hyper- and/or hypo-pigmentations.

WHAT HAPPENS AFTER TREATMENT?

Immediately after treatment there may be some transient erythema in or adjacent to the treated area, which should resolve within a few days. It may take up to 6 weeks for the affected areas of skin return to a more normal thickness, but the redness may take up to several months to improve. Typically, maintenance sessions will need to be scheduled for continued improvement of flare-ups.

IS IT PERMANENT, OR WILL PSORIASIS COME BACK?

Psoriasis is typically characterized by having up and down periods where the symptoms heighten and lessen. While psoriasis is not curable, it can be controlled with laser light so that you may function and the redness will decrease. While psoriasis may improve with treatment and even be gone for a number of months, it may never completely go away.

CONTRAINDICATIONS

(PATIENTS THAT SHOULD NOT TREATED INCLUDE):

- Those who are sunburned or have irritated skin in the sites to be treated
- Those who are exhibiting unidentified skin conditions in the sites to be treated
- Those who have healed poorly after other types of laser treatments
- Patients prone to skin discoloration
- Patients who are taking photosensitizing medication, such as Accutane, should consider discontinuing the medication 6 months before treatment
- Patients who are taking topical Retin-A, patients should wait 2 weeks before treatment
- Don't apply laser energy to any raised lesions, aside from purely red ones i.e. angiomas; other lesions should first be checked by a dermatologist

Patients who are sunburned should wait until the burn subsides. Herpes Simplex Labialis (fever blisters) can be activated by laser treatment, especially on the upper lip, and patients with a tendency for fever blistering can be started on antiviral medication before treatment.

HOW MANY TREATMENT SESSIONS ARE REQUIRED?

Individual results will vary, but can depend on the body surface that is affected. While some patients may see relief in just one treatment, other patients may need 3 to 4 treatments to achieve their desired result.

HOW OFTEN SHOULD TREATMENTS BE PERFORMED?

It is recommended that one treatment be completed once every 3 to 4 weeks.

WHAT CAUSES ROSACEA?

Rosacea is a chronic disorder that is characterized by facial flushing and with time the gradual development of persistent facial redness and spider-like blood vessels. It is often punctuated by episodes of inflammatory papules (bumps), pustules (pimples), and swelling. Management for many people often includes avoidance of popular foods and alcohol as well as cosmetic camouflage, which can be expensive and time-consuming.

SETTING EXPECTATIONS

Some patients or lesions may not respond as well as others. Rosacea lesions tend to subside after the first or subsequent treatments. Regardless of the treatment response, recurrence is common and can be caused by a number of lifestyle factors. It is important to understand that rosacea is a chronic condition that can only be controlled rather than cured.

DO I NEED TO USE TOPICAL ANESTHESIA? WHAT ABOUT GELS?

No. Anesthetics and cooling gels are not needed with Neo Elite, because MicroPulse-1064 makes it uniquely pain-free. However, some buildup of heat will be experienced, especially using higher fluences with the 2mm lens.

IS IT PAINFUL?

There is a mild sensation of heat that is very tolerable. A slight pinching feeling may occur when using higher fluences with the 2mm lens. This is one of the key technical breakthroughs of Aerolase technology! The Neo Elite has set a new standard for virtually pain-free treatment, even on darker skin types, thanks to MicroPulse-1064 technology. This unique benefit saves time, cost and mess by eliminating gels and sprays required by other lasers that cool the skin during treatment.

HOW DOES LASER THERAPY WORK FOR ROSACEA?

1064nm laser energy is absorbed in hemoglobin to break down diffused redness, and at higher fluences will also coagulate capillaries or spider veins that may supply blood into affected areas.

IS IT OK TO DO MULTIPLE PASSES OR PULSES OVER THE SAME AREA?

Typically, 4–6 passes should be performed to maximize the efficacy of the treatment.

WHAT'S THE SPOT SIZE FOR TREATING ROSACEA?

Depending on the color variation of the rosacea either the 6mm or 5mm is recommended. However, for patients with darker skin types we recommend the use of the 6mm only. Individual spider veins or capillaries present may be treated with higher fluence which may include the 2mm lens on skin types I–III or 5mm lens for skin types IV–VI. When using the 6mm lens, the handpiece does not need to touch the skin. When using the 5mm or 2mm lens, the distance rods should be rested on top of the skin, but the legs should never be pushed into the skin.

CAN IT BE USED ON DARK SKIN?

Actually, the Neo Elite is the safest laser in the industry for darker skin types or tanned skin. This is because of MicroPulse-1064 technology, which essentially eliminates treatment pain while minimizing the chances of hyper- and/ or hypo-pigmentation. Patients with skin types IV–VI should be treated very cautiously, especially in the facial region, as they pose a higher risk of having hyper- and/ or hypo- pigmentations.

WHAT HAPPENS AFTER TREATMENT?

Immediately after treatment there may be some transient erythema or purpura, in or adjacent to the treated area, which is more common in older patients or those who are taking blood-thinning medications and should resolve within a few days. The redness and vasculature may not immediately disappear and may take up to several months to fully improve and clear. Typically, maintenance sessions will need to be scheduled for continued improvement of flare-ups.

It is possible that some vascular lesions may scab so it is important to always keep the area moist as to reduce the risk of scarring.

IS IT PERMANENT, OR WILL ROSACEA COME BACK?

Rosacea is typically characterized by having up and down periods where the symptoms heighten and lessen. While rosacea is not curable, it can be controlled with laser light so that the redness will decrease. While rosacea may improve with treatment and even be gone for a number of months, it may never completely go away.

CONTRAINDICATIONS

(PATIENTS THAT SHOULD NOT TREATED INCLUDE):

- Those who are sunburned or have irritated skin in the sites to be treated
- Those who are exhibiting unidentified skin conditions in the sites to be treated
- Those who have healed poorly after other types of laser treatments
- Patients prone to skin discoloration
- Patients who are taking photosensitizing medication, such as Accutane, should consider discontinuing the medication 6 months before treatment
- Patients who are taking topical Retin-A, patients should wait 2 weeks before treatment
- Don't apply laser energy to any raised lesions, aside from purely red ones i.e. angiomas; other lesions should first be checked by a dermatologist

Patients who are sunburned should wait until the burn subsides. Herpes Simplex Labialis (fever blisters) can be activated by laser treatment, especially on the upper lip, and patients with a tendency for fever blistering can be started on antiviral medication before treatment.

HOW MANY TREATMENT SESSIONS ARE REQUIRED?

It is recommended that the patient receives 3–4 treatments.

Typically, the more pigment or vasculature the scar contains the more treatment sessions may be needed. While there may be noticeable improvement after just one treatment, multiple treatment sessions may be needed to sufficiently eradicate the color.

HOW OFTEN SHOULD TREATMENTS BE PERFORMED?

One treatment should be performed every 3–4 weeks.

IS IT OK TO DO MULTIPLE PASSES OR PULSES OVER THE SAME AREA?

It is generally recommended that multiple passes are applied over the affected area to sufficiently heat the targeted source of pigmentation to help clear the color and improve skin texture.

SETTING EXPECTATIONS

Some patients may not respond as well as others. Typically, newer scars respond better than older ones due to the increased amount of vascularity or melanin present within the scar. While collagen will be remodeled to help with skin texture, it is important to let the patient know that laser therapy will diminish any melanin or vasculature within the scar, but will not remove the scar as an ablative laser, such as the Era, is needed to diminish scar tissue.

DO I NEED TO USE TOPICAL ANESTHESIA? WHAT ABOUT GELS?

No. Anesthetics and cooling gels are not needed with Neo Elite, because MicroPulse-1064 makes it uniquely pain-free. However, some buildup of heat will be experienced, especially using higher fluences with the 2mm lens.

IS IT PAINFUL?

There is a mild sensation of heat that is very tolerable. A slight pinching feeling may occur when using higher fluences with the 2mm lens. This is one of the key technical breakthroughs of Aerolase technology! The Neo Elite has set a new standard for virtually pain-free treatment, even on darker skin types, thanks to MicroPulse-1064 technology. This unique benefit saves time, cost and mess by eliminating gels and sprays required by other lasers that cool the skin during treatment.

WHAT'S THE SPOT SIZE FOR SCAR REVISION?

The Neo typically utilizes a combination of lower and higher fluences with the 6mm and 5mm lenses. Typically, more power is needed for lighter spots, while lower fluence is required to get rid of darker spots. The handpiece does not need to touch the skin when using the 6mm spot size, but when using the 5mm spot size, the distance rods should touch the skin slightly without adding pressure.

It is recommended that only the 6mm lens should be used on skin types IV-VI.

CAN IT BE USED ON DARK SKIN?

Actually, the Neo Elite is the safest laser in the industry for darker skin types or tanned skin. This is because of MicroPulse-1064 technology, which essentially eliminates treatment pain while minimizing the chances of hyper- and/ or hypo-pigmentation. Patients with skin types IV-VI should be treated very cautiously, especially in the facial region, as they pose a higher risk of having hyper- and/or hypo- pigmentations.

WHAT HAPPENS AFTER TREATMENT?

You may return to your normal activities immediately after treatment and could notice an improvement over the next 3-4 weeks but generally will see results after 2-3 sessions. If no change occurs, the next treatment session will need to utilize a higher fluence for a more dramatic improvement.

CONTRAINDICATIONS

(PATIENTS THAT SHOULD NOT TREATED INCLUDE):

- Those who are sunburned or have irritated skin in the sites to be treated
- Those who are exhibiting unidentified skin conditions in the sites to be treated
- Those who have healed poorly after other types of laser treatments
- Patients prone to skin discoloration
- Patients who are taking photosensitizing medication, such as Accutane, should consider discontinuing the medication 6 months before treatment
- Patients who are taking topical Retin-A, patients should wait 2 weeks before treatment
- Don't apply laser energy to any raised lesions, aside from purely red ones i.e. angiomas; other lesions should first be checked by a dermatologist

Patients who are sunburned should wait until the burn subsides. Herpes Simplex Labialis (fever blisters) can be activated by laser treatment, especially on the upper lip, and patients with a tendency for fever blistering can be started on antiviral medication before treatment.

HOW MANY TREATMENT SESSIONS ARE REQUIRED?

This can vary depending on skin and severity of the condition, but generally 6 sessions are required to achieve a good result. After that, the patient may need maintenance every few months depending on their skin type.

WHAT IS THE IDEAL DISTANCE TO HAVE THE HANDPIECE WITH 6MM LENS AWAY FROM THE SKIN WHILE DOING A REJUVENATION TREATMENT? AND THE 2MM LENS?

The distance does not actually matter, as this is the only laser available with a collimated beam. We recommend working from a distance of 1 to 3 inches with the 6mm lens, so it is close enough for easy aiming yet far enough from the skin so that the handpiece does not visually obscure the target. Although the distance doesn't affect the energy being emitted at the suggested distance, the size of the aiming beam is truer to the spot size.

When using the 2mm lens, the distance rods should slightly touch the skin without applying too much pressure on the patient's skin. This is the best way to ensure that the appropriate energy is being delivered since the 2mm focus lens is distance dependent.

SETTING EXPECTATIONS

The best candidates for skin rejuvenation are patients showing the initial signs of aging such as fine lines, minor wrinkles, sun damage and vessels as well as signs of reduced skin laxity. Patients may begin to see results immediately after the treatment and the results will continue to become better over time. After the complete set of treatments (typically once a month for 6 months) patients can expect to see the results continue for the next six months, after which they can start the treatments again.

DO I NEED TO USE TOPICAL ANESTHESIA? WHAT ABOUT GELS?

No. Anesthetics and cooling gels are not needed with Neo Elite, because MicroPulse-1064 makes it uniquely pain-free. However, some buildup of heat will be experienced and slight pinching may be felt while using the 2mm spot size. This unique benefit saves time, cost and mess by eliminating gels and sprays required by other lasers that cool the skin during treatment.

IS IT PAINFUL?

No, there is just a mild, very tolerable sensation of heat. This is one of the key technical breakthroughs of Aerolase technology. The Neo Elite has set a new standard for virtually pain-free treatment, even on darker skin types, thanks to MicroPulse-1064 technology.

WHEN CAN I EXPECT TO SEE AN IMPROVEMENT IN MY CONDITION?

Patients may notice a glow or tightening sensation immediately after the first treatment. Some patients may also notice a reduction in pore size a few weeks after the first treatment. Typically a session every month for 6 months is required. Patients should notice considerable results after the entire course of treatments is complete. Patients may see additional improvement for 6 months following the treatment due to the continual growth of new collagen and elastin.

WHAT'S THE SPOT SIZE FOR SKIN REJUVENATION?

The Neo utilizes the 6mm, 5mm and 2mm spot sizes for skin rejuvenation. The 6mm lens is used on skin types I–VI, to canvas the entire area in order to effectively heat the water within the dermis. The 5mm lens is used to heat the water within the areas where skin is thicker, such as the neck and jawline. The 2mm lens is then used to target any red or brown spots to complete the procedure. We recommend only using the 2mm and 5mm lens on skin types I–III.

CAN IT BE USED ON DARK SKIN?

Actually, the Neo Elite is the safest laser in the industry for darker skin types or tanned skin. This is because of MicroPulse-1064 technology, which essentially eliminates treatment pain while minimizing the chances of hyper- and/ or hypo-pigmentation. Patients with skin types IV–VI should not be treated with on the face with high power using the 2mm lens as the risk of hyper- and/or hypo-pigmentation is increased.

IS IT PERMANENT, OR WILL MY SPOTS AND LAXITY COME BACK?

While your skin will appear firmer, more full, and both red and brown spots will diminish, the skin will continue to age so maintenance treatments may be required in the future. To reduce the signs of aging it is important to wear sunscreen, which will slow any increase of wrinkles and sun damage.

CONTRAINDICATIONS

(PATIENTS THAT SHOULD NOT TREATED INCLUDE):

- Those who are sunburned or have irritated skin in the sites to be treated
- Those who are exhibiting unidentified skin conditions in the sites to be treated
- Those who have healed poorly after other types of laser treatments
- Patients prone to skin discoloration
- Patients who are taking photosensitizing medication, such as Accutane, should consider discontinuing the medication 6 months before treatment
- Patients who are taking topical Retin-A, patients should wait 2 weeks before treatment
- Don't apply laser energy to any raised lesions, aside from purely red ones i.e. angiomas; other lesions should first be checked by a dermatologist

Patients who are sunburned should wait until the burn subsides. Herpes Simplex Labialis (fever blisters) can be activated by laser treatment, especially on the upper lip, and patients with a tendency for fever blistering can be started on antiviral medication before treatment.

HOW MANY TREATMENT SESSIONS ARE REQUIRED?

This can vary depending on the size and color of the vessel. Typically angiomas and spider veins will disappear completely after 1-2 treatments although in some cases more treatments may be necessary.

IS IT OK TO DO MULTIPLE PASSES OR PULSE OVER THE SAME VESSELS?

When preheating the vessel, you may complete 3 passes. However, when spot treating each individual vessel with the 2mm or 5mm focus lens, it is important that you only complete one pass whether or not a change is visible due to the increased risk of scarring.

WHAT'S THE SPOT SIZE FOR VASCULAR LESION REMOVAL?

It is recommended to pre-heat each vessel by completing 3 passes using the 6mm lens. After that, complete 1 pass using the 2mm lens for skin types I-III or the 5mm lens on skin types IV-VI. *(Continued on next page)*

SETTING EXPECTATIONS

Some patients will respond better than others and the number of treatments for each vessel may depend on the darkness and size of the vessel as well as the amount of activity the patient undergoes post-treatment. Vessels treated on the legs have a higher tendency to resurface, as the blood pressure tends to be higher. After treatment, a rust-colored staining of adjacent skin tissue, called hemosiderin, may appear from the breakdown of hemoglobin and will subside over the course of 3-4 weeks.

DO I NEED TO USE TOPICAL ANESTHESIA? WHAT ABOUT GELS?

No. Anesthetics and cooling gels are not needed with Neo Elite, because MicroPulse-1064 makes it uniquely pain-free. However, some buildup of heat will be experienced, especially using higher fluences with the 2mm lens.

Typically, higher energy settings are needed for lighter-colored vessels, while lower energy settings are required to get rid of darker vessels. When treating the lesions, the distance rods should touch the skin slightly without applying too much pressure.

WHAT CAUSES VASCULAR LESIONS TO FORM?

Vascular lesions can form due to a backup of blood for a number of reasons including aging, sun exposure, pregnancy, and hormonal changes as well as certain types of injuries.

CAN IT BE USED ON DARK SKIN?

Actually, the Neo Elite is the safest laser in the industry for darker skin types or tanned skin. This is because of MicroPulse-1064 technology, which essentially eliminates treatment pain while minimizing the chances of hyper- and/ or hypo-pigmentation. Patients with skin types IV–VI should be treated very cautiously, especially in the facial region, as they pose a higher risk of having hyper- and/or hypo- pigmentations.

CAN IT BE USED ON RAISED PIGMENTED SPOTS?

A dermatologist should first check raised pigmented spots before starting any kind of treatment. If the dermatologist clears the patient for treatment you may proceed with administering treatments.

WHAT HAPPENS AFTER TREATMENT?

The vascular lesion may appear to look like a cat scratch for 3–4 weeks. It will eventually scab over and slough off so it is important to always keep the area moist, using Aquaphor, as to reduce the risk of scarring.

IS IT PAINFUL?

There is a mild sensation of heat that is very tolerable. A slight pinching feeling may occur when using higher fluences with the 2mm lens. This is one of the key technical breakthroughs of Aerolase technology! The Neo Elite has set a new standard for virtually pain-free treatment, even on darker skin types, thanks to MicroPulse-1064 technology. This unique benefit saves time, cost and mess by eliminating gels and sprays required by other lasers that cool the skin during treatment.

IS IT PERMANENT, OR DO THE VESSELS COME BACK?

Many vessels will be gone permanently, but due to the skin aging, continued sun exposure and hormonal changes, new vessels will likely develop over time and more treatments will need to be performed. To slow the aging process and reduce the likeliness of new vessels developing, patients should always apply sunblock when in the sun and avoid prolonged sun exposure.

CONTRAINDICATIONS

(PATIENTS THAT SHOULD NOT TREATED INCLUDE):

- Those who are sunburned or have irritated skin in the sites to be treated
- Those who are exhibiting unidentified skin conditions in the sites to be treated
- Those who have healed poorly after other types of laser treatments
- Patients prone to skin discoloration
- Patients who are taking photosensitizing medication, such as Accutane, should consider discontinuing the medication 6 months before treatment
- Patients who are taking topical Retin-A, patients should wait 2 weeks before treatment
- Don't apply laser energy to any raised lesions, aside from purely red ones i.e. angiomas; other lesions should first be checked by a dermatologist

Patients who are sunburned should wait until the burn subsides. Herpes Simplex Labialis (fever blisters) can be activated by laser treatment, especially on the upper lip, and patients with a tendency for fever blistering can be started on antiviral medication before treatment.

HOW MANY TREATMENT SESSIONS ARE REQUIRED?

This can vary depending on the depth and size of the wart. Typically warts disappear completely after 2–4 treatments although in some cases more treatments may be necessary.

HOW OFTEN SHOULD TREATMENTS BE PERFORMED?

One treatment should be completed every 1–2 weeks.

WHAT OTHER PRECAUTIONS SHOULD BE TAKEN WHEN TREATING WARTS?

Since there is a possibility of the virus becoming airborne, the use of medical smoke evacuator should be used to remove any plume that may arise. Viral grade gloves and masks are also recommended.

SETTING EXPECTATIONS

Some patients will respond better than others and the number of treatments for each vessel may depend on the depth and size of the wart.

DO I NEED TO USE TOPICAL ANESTHESIA? WHAT ABOUT GELS?

No. Anesthetics and cooling gels are not needed with Neo Elite, because MicroPulse-1064 makes it uniquely pain-free. However, some buildup of heat will be experienced, especially using higher fluences with the 2mm lens.

IS IT PAINFUL?

There is a mild sensation of heat that is very tolerable. A slight pinching feeling may occur when using higher fluences with the 2mm lens. This is one of the key technical breakthroughs of Aerolase technology! The Neo Elite has set a new standard for virtually pain-free treatment, even on darker skin types, thanks to MicroPulse-1064 technology. This unique benefit saves time, cost and mess by eliminating gels and sprays required by other lasers that cool the skin during treatment.

WHAT CAUSES WARTS TO FORM?

A wart is a type of skin growth caused by a viral infection of the skin, commonly found on the fingers and around fingernails as well as the bottom of the feet. It commonly enters the body through an area of broken skin, which can cause rapid growth above the skin or even slow growth beneath the skin, as is common with plantar warts.

WHAT'S THE SPOT SIZE FOR WART REMOVAL?

The Neo typically utilizes the 2mm lens for wart removal due to the high fluence needed to effectively destroy the vasculature beneath the skin. Typically, more power is needed for smaller warts, while lower fluence is required to get rid of larger warts. When treating the lesions, the distance rods should touch the skin slightly without applying too much pressure.

CAN IT BE USED ON DARK SKIN?

Actually, the Neo Elite is the safest laser in the industry for darker skin types or tanned skin. This is because of MicroPulse-1064 technology, which essentially eliminates treatment pain while minimizing the chances of hyper and/ or hypo-pigmentation. Patients with skin types IV-VI should be treated very cautiously, especially in the facial region, as they pose a higher risk of having hyper and/or hypo-pigmentations.

CAN IT BE USED ON RAISED WARTS OR SKIN TAGS?

If you are unsure that the structure is a wart or skin tag it is advisable that a dermatologist should first check the raised structure before starting any kind of treatment. If the dermatologist clears the patient for treatment you may proceed with administering treatments. Skin tags are treated with similar settings as warts because in both cases, the goal is to coagulate the vasculature that is feeding the lesion.

WHAT HAPPENS AFTER TREATMENT?

Raised warts may darken once treated, but warts that are beneath the skin may not exhibit any immediate visible change. If the vasculature has successfully been eradicated the wart will slowly subside and scab over, eventually sloughing off over the course of several weeks.

IS IT PERMANENT, OR CAN THE WART COME BACK?

Once the vasculature feeding the wart has been destroyed, it is likely that it will be gone permanently. However, it's important to note that the virus will still remain in the bloodstream and new warts can form at any time.

CONTRAINDICATIONS

(PATIENTS THAT SHOULD NOT TREATED INCLUDE):

- Those who are sunburned or have irritated skin in the sites to be treated
- Those who are exhibiting unidentified skin conditions in the sites to be treated
- Those who have healed poorly after other types of laser treatments
- Patients prone to skin discoloration
- Patients who are taking photosensitizing medication, such as Accutane, should consider discontinuing the medication 6 months before treatment
- Patients who are taking topical Retin-A, patients should wait 2 weeks before treatment
- Don't apply laser energy to any raised lesions, aside from purely red ones i.e. angiomas; other lesions should first be checked by a dermatologist

Patients who are sunburned should wait until the burn subsides. Herpes Simplex Labialis (fever blisters) can be activated by laser treatment, especially on the upper lip, and patients with a tendency for fever blistering can be started on antiviral medication before treatment.

HOW MANY TREATMENT SESSIONS ARE REQUIRED?

It is recommended patients receive at least 3–6 treatments. Typically, the more chronic or severe the condition, the longer the body takes to respond. The majority of conditions treated will take anywhere from a single treatment to multiple treatments. The number of treatments you need depends upon the severity of the condition and how long you've had it. Certain conditions may require several treatments a week to effectively and sufficiently heal properly.

HOW OFTEN SHOULD TREATMENTS BE COMPLETED?

It is recommended that a treatment be completed 1 to 2 times per week.

IS IT OK TO DO MULTIPLE PASSES OR PULSES OVER THE SAME AREA?

It is generally recommended that multiple passes are applied over the affected area to sufficiently heat the tissue enough to optimize the immune response and effectively start the healing cascade.

SETTING EXPECTATIONS

Some patients may not respond as well as others. Typically, with pain management, results should be noticeable immediately after treatment, but results could take longer depending on the severity of the condition and if it is a chronic or acute condition. Wound healing is a slower process that can take a number of treatments to visibly see results and closure, which will also depend on the severity, depth, and size of the wound as well as the patient's immune system's ability to heal. Each person's healing process, known as the healing cascade, is different and therefore the time between treating inflammation, tissue regeneration, and tissue remodeling can be very different between patients, but laser therapy can help speed these processes.

IS IT PAINFUL?

Laser therapy is completely painless for most people. A small percentage of patients report feeling a tingling sensation in the treatment area. Some people feel a slight sensation of warmth. However, the majority of people feel nothing during treatment.

HOW DO LASERS HELP WITH WOUND HEALING AND PAIN MANAGEMENT?

Neo Elite laser therapy stimulates the body's natural healing response to produce beneficial effects. Lasers supply pulses of light that penetrate deeply into the skin and surrounding tissues, they optimize the immune responses of the blood. The effects are both anti-inflammatory and immunosuppressive as the healing cascade begins.

WHAT'S THE SPOT SIZE FOR WOUND HEALING AND PAIN MANAGEMENT?

It is recommended to use a 6mm lens. The Neo typically utilizes a lower fluence and larger spot size for healing due to the depth and gentle pulses needed to effectively stimulate healing.

CAN IT BE USED ON DARK SKIN?

Actually, the Neo Elite is the safest laser in the industry for darker skin types or tanned skin. This is because of MicroPulse-1064 technology, which essentially eliminates treatment pain while minimizing the chances of hyper and/ or hypo-pigmentation. Patients with skin types IV-VI should be treated very cautiously, especially in the facial region, as they pose a higher risk of having hyper and/or hypo-pigmentations.

WHAT HAPPENS AFTER TREATMENT AND HOW SOON CAN I EXPECT RESULTS?

Immediately after treatment, a wound should be covered with an appropriate dressing. Whether you notice immediate improvement or not depends on the type of condition and the length of time the condition has been present.

HOW SOON SHOULD I EXPECT TO SEE RESULTS?

Typically, the more chronic or severe the condition, the longer the body can take to respond. Treatments can range from single treatment to multiple treatments to achieve the desired results. The number of treatments you need depends upon the severity of the condition and how long you've had it. There are some conditions that cannot be completely resolved but can be helped, improved and maintained with laser therapy. If your condition does not change immediately, it may take 3-4 sessions before a noticeable change is experienced.