

Introduction

Rajiv Tattoo Removal is a non-Laser technique. More accurately, it is a unique chemical extraction process.

Traditional or common micropigmentation or tattoo pigments are inorganic metal oxides such as iron oxides, carbon black, chromium oxide or titanium dioxide etc. These inorganic metal oxides are insoluble in water and most organic solvents. Therefore, they can last a long period of time after they are buried in the skin.

Rejuvi Tattoo Removal System consists of alkaline earth metal oxides and transitional metal oxides (in similar particle size range with tattoo pigments) in a special formula (Suspension). The metal oxides in Rejuvi Tattoo Removal System have very similar physico-chemical properties to tattoo pigments so that they have good chemical affinity or miscibility. The old saying "like attracts like" reflects this principle. When Rejuvi Tattoo Removal Suspension has good physical contact with tattoo pigments (in the skin), tattoo pigments merge gradually into Rejuvi Tattoo Removal Suspension. Rejuvi Tattoo Remover is also incompatible to the skin so that the skin repels or ejects it. After the tattoo pigments merge into the Rejuvi Removal Suspension, the skin rejects the mixture to the skin surface (forms a crust or scab, which will detach from the skin). This extraction process is illustrated in Diagram I.

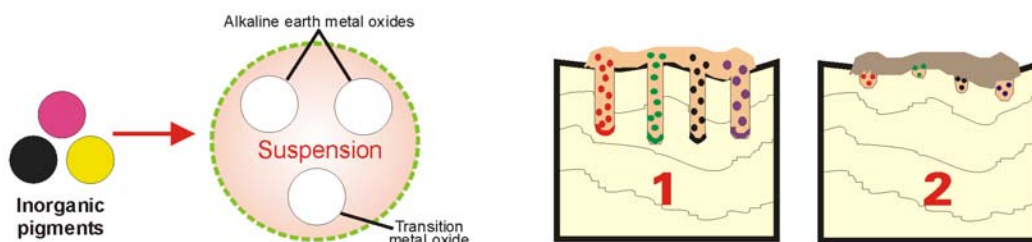


Diagram I. Illustration of Chemical Extraction Process

The application of Rejuvi Tattoo Removal Suspension is a tattoo-over process using a cosmetic rotary machine or coil tattoo gun. As far as procedures are concerned, the removal process consists of four steps: Step I. Apply topical Anesthetic (may apply again in step 2 for removal of micropigmentation); Step II. Apply Rejuvi Tattoo Removal System via tattoo-over (in a salon or studio); Step III. Let it dry and form a crust (at home); Step IV. Finally, a crust peels off and skin recovery period starts (at home). Step I & II usually take 0.5 to 1.5 hours depending upon the size of a removal area. Step III usually takes 7 to 25 days, depending upon the application depth for a particular removal (removal of micropigmentation usually takes 7 to 14 days). Step IV usually takes 1-3 months for micropigmentation and 3-6 months for body tattoos. After a crust comes off, the skin usually becomes fairly red and even slightly raised at the edges. It is not scarring and will heal, returning to normal over time.

Since the tattoo pigments of micropigmentation or permanent makeup are located pretty shallow in the skin (between epidermis and very upper dermis), usually one treatment can achieve a

desirable result and the risk of scarring is minimal, if a treatment is properly performed. After the scab peels off, there is a tender redness on the skin. It is normal and apply Rejuvi "h" Super Soothing Cream daily to help the skin healing process. The skin will gradually return to a normal state in 1-3 months. The success rate for removal of micropigmentation or permanent makeup was close to 100% in the study (see Appendices, page 35).

The duration of tattoos does not affect the removal process significantly. Some tattoos over 20 years have been removed by Rejuvi technique successfully. Of course, newly made tattoos (less than a year) may be slightly easier to remove compared to old tattoos.

The tattoo pigments of body tattoos are located considerably deep in the skin (between upper dermis to mid-dermis). Hence, the extraction process becomes significantly harder and a deeper puncture might disturb the skin appendage resulting in a hypertrophic scar (keloid) or puffy redness (sometimes with blister). The success rate was approximately 92% and scarring rate was about 6% in the study (see Appendices, page 35). No hypo or hyper-pigmentation effect was observed. All success rates are on the basis of virgin tattoos, i.e., no previous removal attempt was made on tattoos. It has been found that Laser removal could change skin tissue or physico-chemical properties of tattoo pigments. This complication may affect the success rate, depending upon a particular condition (case by case).

In order to minimize undesirable scarring, any attempt to remove all tattoo pigments with deep puncturing by one treatment must be avoided. Consequently, a prudent multiple-session approach is developed. In this approach, puncturing must be controlled at normal tattooing depth and excessive or prolonged puncturing must be avoided in treatment. Based upon the result from the first treatment, then decide how to make second treatment after sufficient skin recovery (8 to 10 weeks). It has been observed that tattoo pigments in deep position (below puncturing depth) could be raised up to some degree after a treatment. Hence these deeper pigments might be removed in a second or later treatment with the same puncturing depth. The multiple-session approach (3-6 treatments) could diminish tattoos very well with the scarring rate down to about 1% (see Appendices, page 37).

It should be stressed that Aftercare is an important portion of the removal process. Improper removal of crust, severe infection and considerably scratching on a treated area may cause scarring as well. Hence, a good explanation of the Aftercare process, giving a written Aftercare Instruction and timely communication with clients about the Aftercare process, is just as important as a treatment performed at salons or studios.

The sections of "Techniques and Tips" for removal of micropigmentation or body tattoos provide detailed procedures, device & needles to use, precautions, and more aftercare information. Please read these sections carefully and acquire more detailed information before performing the removal treatments.

If you have any questions or problems about this technique, please do not hesitate to contact Rejuvi via E-mail: rejuvi@mindspring.com or phone (650)588-7794. Rejuvi technical support is available at 9 am to 5 pm (Pacific Time) from Monday to Friday (except Holidays).

Instructions for Removal of Permanent Makeup

(mainly for eyebrows and lip liners, do not remove eyeliner)

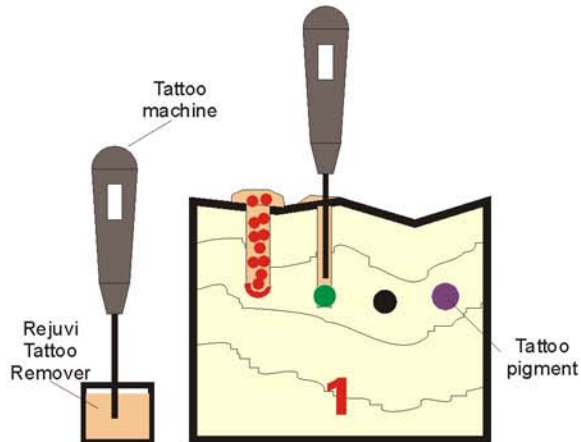
1. Carefully determine the unwanted tattooed area for removal. Do not try to remove the entire eyebrows and then retattooing. It is recommended to minimize the area to be removed. **Do not remove any eyeliner (dangerous)!**
2. Cleanse and dry the eyebrow area to be removed (Rejuvi Sani-Clean is recommended), apply Painaway Solution (suggested topical anesthetic) and wait for one minute before the treatment and during the treatment as needed (after wiping off the Tattoo Remover). For a better numbing method, please see **Techniques and Tips** (page 10).
3. Shake or stir (with the stainless rod provided in the package) Rejuvi Tattoo Remover vigorously before use. If it is too thick, add a few drops of sterile water or clean drinking water to make a fluid suspension with vigorous stirring. Then transfer into an Ink Cap #9 for use. Make sure Rejuvi Tattoo Remover is uniform (no particle settling) before each treatment.
4. Using a rotary micropigmentation machine with a round triple needle (no bigger than round 5 needle), puncture the colored area with Rejuvi Tattoo Remover paste (dip needle in the Tattoo Remover frequently). This is very close to a tattoo-over process.

Do not puncture significantly deeper than normal permanent makeup or Micropigmentation.

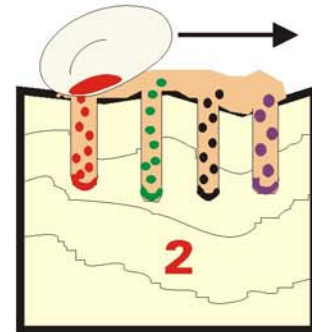
5. After puncturing all the area, leave the paste on for 1-2 minutes, then wipe off with a dampened cotton pad (Painaway Solution should be applied again). Some dark green color can be observed in the cotton pad.
6. Repeat steps 4 & 5 until almost all tattoo pigments are removed or no more color can be seen on the cotton pad). Usually it takes 2-3 repetitions.
7. Wipe treated area with damp cotton pad and then apply a thin layer of the Tattoo Remover Suspension on the treated area to complete the treatment. If you do not wipe off the Tattoo Remover after the last repetition, the thin layer may not be applied (save the product) except making some adjustment - make even for the thin layer of Tattoo Remover.
8. Give a written copy of **Instructions of Care After Treatment** to your customer.
9. The Micropigmentation or retattooing can be made at the treated area after 2 months (make sure the skin heals well).

Illustration for Removal of Micropigmentation

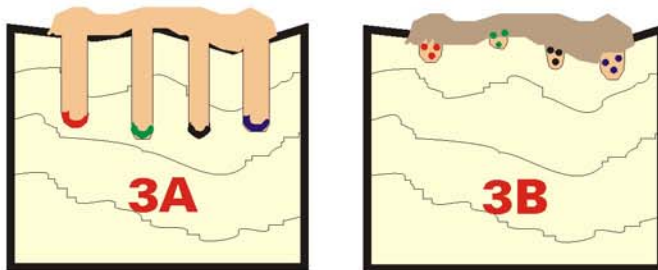
Dip the needle in Tattoo Remover and then puncture the tattoo area. Same as a tattoo over process.



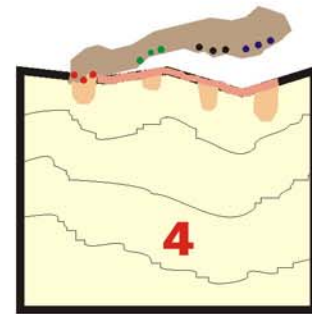
Wipe off the Tattoo Remover with a cotton pad after puncturing (usually 2-3 repetitions for eyebrows removal)



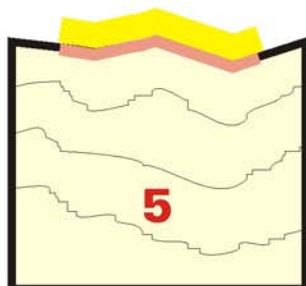
Apply a thin layer of Tattoo Remover for further extraction (keep away from water)



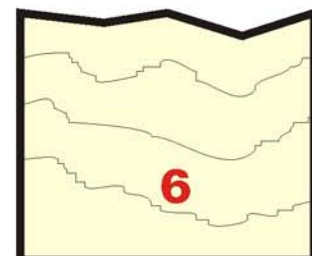
Dark crust will peel off within 7 to 15 days. Do not force crust off



Apply "h" Super Soothing Cream or Bacitracin for skin healing.



The redness will diminish gradually in 1 - 3 months (skin will become normal)



INSTRUCTIONS OF CARE AFTER TREATMENT

(for removal of Permanent Makeup)

1. The treated area should remain dry at all times. In case of dampness due to white blood cells or accidental contact to water, use a Q-tip to press the treated area gently to remove the water.
2. A brownish crust or scab will form over the treated area after a few days and will peel off naturally in 7-14 days. Do not pick or pull off the crust prematurely as that will increase the risk of scarring and prolong recovery time. Use bandage or tape to cover the treated area temporarily for taking a shower. No swimming, soaking or steaming. A short time (1 to 2 minutes) water contact might be okay but no contact to soap or contact with shower spraying water. After such water contact, use dry & clean cotton pad to press gently the crust to remove water and then let air dry only. Do not allow the crust to get softened by moisture.
3. In case of infection, sterilize with 2% hydrogen peroxide and then apply special ointment such as Bacitracin or Bacitracin Zinc on the skin at the edge of the crust (available at your technician). If the infection still remains, take anti-biotic tablets such as penicillin (consult with your doctor for such prescription).
4. After the crust peels off, the treated skin area will show a significant redness which will remain on the skin for several weeks and will gradually return to normal skin color in 2-3 months. Apply Rejuvi "h" Super Soothing Cream immediately after crust comes off and each time after washing to diminish the redness and speed up skin recovery.
5. In case that an itchiness develops in the treated area during skin recovery period, do not scratch the skin. You may tap the skin for relieving itchiness and apply anti-itch ointment (available at pharmacies). Excessive scratching on the treated area during the healing process might cause scarring.
6. If the color is not completely removed at certain area, the above removal process may be performed again after the treated skin heals well (usually after 2 months).
7. The treated area can be retattooed after the skin heals well (usually after 2 months). Retattooing is very common after removal of permanent makeup or Micropigmentation.

In the case of infection, please contact technician immediately for help or treatment. Most of the time, your technician can solve the problem for you easily and quickly.

Your Technician's Contact Information

Name

Phone

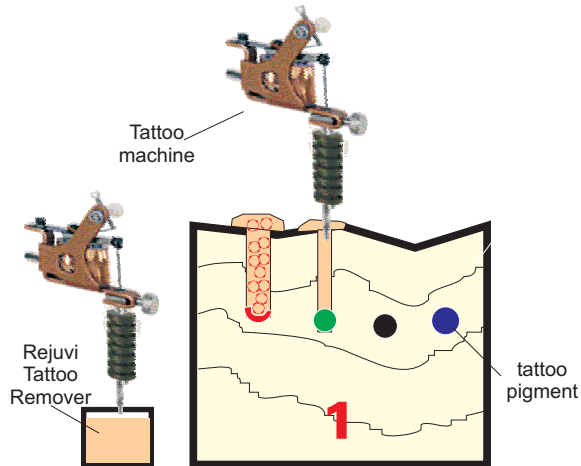
Cell phone

Instruction for Removal of Tattoos

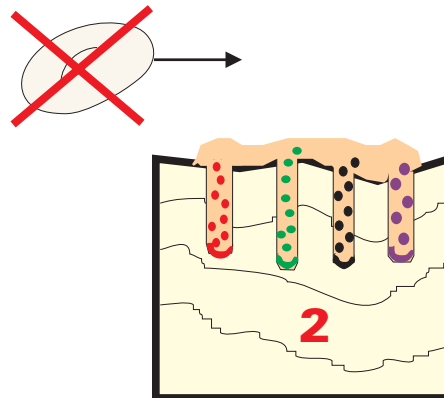
1. Carefully determine the unwanted tattooed area for removal. It is recommended to remove an area not more than 2 square inches at one time to control discomfort level after the treatment. A large tattoo should be divided into several sections for separate treatments.
2. Cleanse and dry the tattooed area to be removed. Apply Painaway Solution for 10-20 seconds and then briefly puncture the entire area, then apply Painaway Solution evenly again. For a big area, puncture the area briefly with Painaway Solution, then apply Painaway Solution evenly again. This anesthetic process could make skin numb for over 1.5 hours.
3. Shake Rejuvi Tattoo Remover vigorously before each use. If it is too thick or dried out, add an appropriate amount of sterile water or clean drinking water to make a fluid suspension with vigorous stirring (use the stainless steel rod provided). Then transfer into Ink Cap #9 for use (for working on a very big area, Ink Cap #16 might be used). Make sure Rejuvi Tattoo Remover is uniform (no particle settling) before each treatment.
4. Using a coil tattoo machine or rotary Cosmetic tattoo machine with a round 5 to 14 prong needles, puncture the colored area with Rejuvi Tattoo Remover (dip **needle tips** in the remover frequently). Work on small area ½ to 1" area at a time. ***Do not wipe off Rejuvi Tattoo Remover on the skin ! Do not puncture significantly deeper than normal tattooing !***
5. The needle movement is suggested to be gentle, even pass to cover a colored area completely. A circular or zigzag motion may increase the risk for scarring and should be avoided (see Page 13). Do not puncture non-colored area (if can not see well, then wipe off Tattoo Remover only for that area).
6. Do not puncture an area more than 3 passes (more passes might increase the risk of scarring). Do not move needle too slowly.
7. After puncturing the entire area, leave a thin layer of the Tattoo Remover on the treated area to complete the treatment. The thin layer of Rejuvi Tattoo Remover on the skin should be left to dry before the customer leaves (20 - 30 minutes).
8. Sometimes, a treated area is under clothes. In order to avoid direct contact between the thin layer of Tattoo Remover and clothes, the treated area could be covered by a non-absorbent bandage (with sufficient ventilation) after 20-30 minutes. A gauze type bandage on a soggy crust will stick and pull it loose prematurely. Please make sure there is good ventilation for the treated area i.e., moisture can get out easily.
9. Explain to customers well about the aftercare procedures and cautions and give a written copy of **Instructions of Care After Treatment** to your customer.
10. Check with the customers after 10 or 20 days to make sure the status is normal. Usually a crust or scab will peel off in a range of 14 to 25 days.
11. The second treatment may be made at the same area after the skin is completely healed (8-10 weeks). Make sure there is No shine left to the skin before doing another treatment.

Illustration for Removal of Tattoos

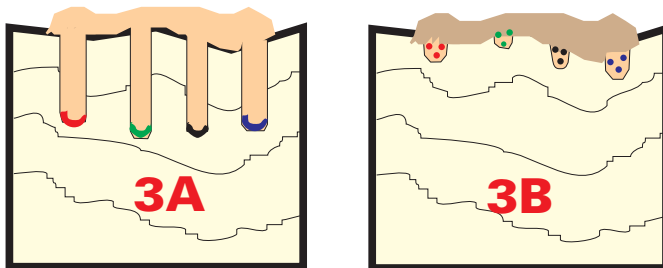
Dip the needle in Tattoo Remover and then puncture the tattoo area. Same as a tattoo over process.



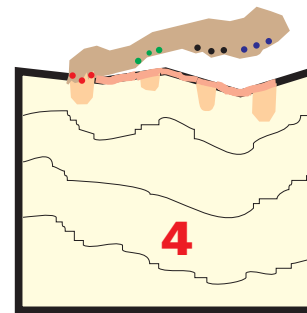
Do not wipe off Tattoo Remover with a cotton pad. Just puncture the skin with 2 - 3 passes and with sufficient Tattoo Remover on the skin.



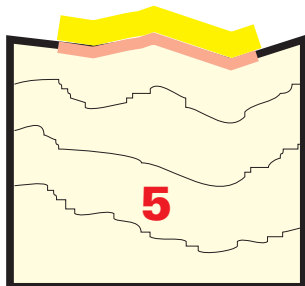
Keep an even layer of Tattoo Remover for further extraction. No water contact for initial 72 hours (see page 18 for details)



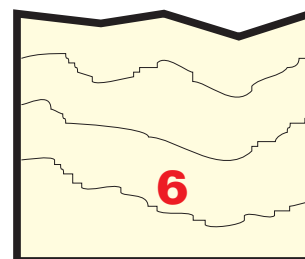
Dark crust will peel off within 15 to 25 days. Do not force crust off



Apply "h" Super Soothing Cream for skin healing (Antibiotic for infection).



The redness will diminish slowly in 3 to 6 months or even longer time.



INSTRUCTIONS OF CARE AFTER TREATMENT *(for removal of body tattoos)*

- 1) The treated area must remain dry for at least three days (72 hours). The skin under crust will become tight about 3 days (it is normal). Minimize movement to the area until crust peels off.
- 2) After three days, you may take a short shower. It is okay for water contact with treated area for short time (no more than 2 minutes). Do not expose the crust directly under shower spray. No rubbing or contact with soap. No swimming, soaking or steaming. Do not allow the crust to get softened by moisture. After such water contact, use cotton pad or dry & clean towel to gently press the crust to remove water and then let air dry only.

A dark crust or scab will form over the treated area and will peel off naturally in 14 - 25 days. Do not pick or pull off the crust prematurely. It may increase the risk of scarring and prolong recovery time.

The crust can loosen at edges from healing or movement. The crust edges become flaky but the rest is still well attached. A liquid bandage is recommended to keep them in place. The second option is a dry bandage (can breathe). Please wear clothes that will not rub until the crust comes off.

- 3) In case of infection, use a cotton pad dampened with 2% hydrogen peroxide (available at pharmacies) to press gently the treated area for sterilization, then apply antibiotic ointment such as Bacitracin or triple Anti-biotic on the skin at the edge of the crust (available from your technician). If the infection still remains, take anti-biotic tablets such as penicillin (consult with your doctor for such prescription).
- 4) After the crust peels off, the treated skin area will show a substantial redness perhaps raised which will remain on the skin and will gradually return to normal in 3-6 months. Apply Rejuvi "h" Super Soothing Cream immediately after crust peels off and each time after washing to diminish the redness and speed up skin recovery. A bandage may be used to cover "h" Super Soothing Cream, enhancing skin recovery in the initial 6 - 8 weeks.
- 5) In case that an itchiness develops in the treated area during skin recovery period, do not scratch the skin. You may tap the skin for relieving itchiness and apply an anti-itch ointment (available at pharmacies). Excessive scratching on the treated area during healing process might cause scarring.
- 6) The second removal treatment can be performed again at the same area after the treated skin heals well (usually after 2.5 months).

In the case of infection, please contact technician immediately for help or treatment. Most of the time, your technician can solve the problem for you easily and quickly.

Your Technician's Contact Information

Name
Phone
Cell phone