



Regenera
Activa^{AMT}

Quick Guide to AMT[®] in AGA Management

regeneraactive.com

Leading you to the healing power of
Regenerative Science



1



2



3



4



5



6



7



8



9



10



11



12



13



14



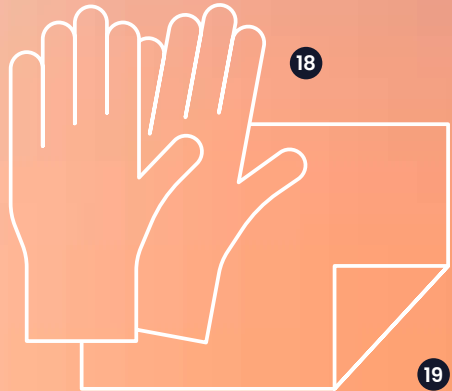
15



16



17



18

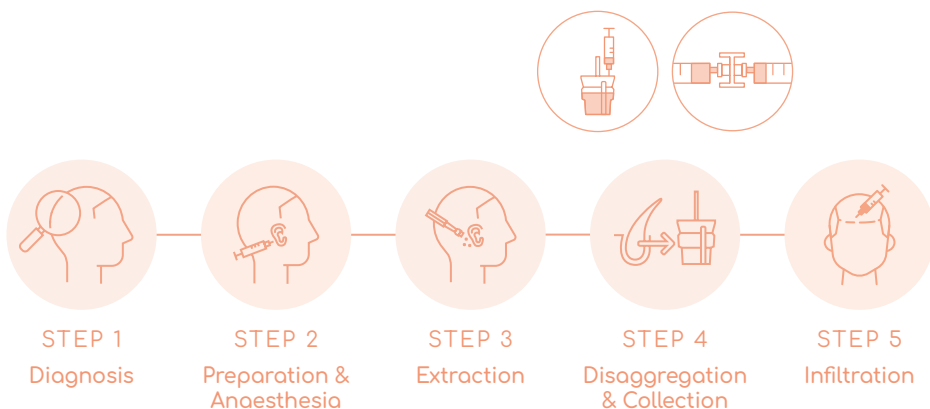
19

MATERIALS

- 1 Rigenera® N4SA Machine
- 2 Rigeneracons® Derma
- 3 2% aqueous chlorhexidine
- 4 2% lidocaine without vasoconstrictor
- 5 Hair razor
- 6 Paper tape (micropore)
- 7 Syringe 1 ml (anaesthesia)
- 8 Two 3 ml Luer Slip syringes (micrografting solution collection)
- 9 Two 3 ml Luer Lock syringes (AMT® Solution infiltration)
- 10 Syringe connectors
- 11 Needles 30G x ½, 0.3 x 12 mm
Needles 21G x 1½, 0.8 x 40 mm
- 12 Dermal punch 2.5 mm
- 13 Sterile Adson Tweezers (toothless)
- 14 Injectable saline solution
- 15 Adrenalin 1mg/ml
- 16 Band-aids
- 17 Sterile gauze pads
- 18 Sterile gloves
- 19 Sterile sizes

PROCEDURE ^{1,2,3}

Adapted from Gentile P. et al., 2017;
Ruiz R. G. et al., 2019; Zari S., 2021



VIDEO
PROCEDURE



DETAILED
PROTOCOL



STEP 1

Diagnosis

- **Perform diagnosis** to confirm the patient has **Androgenetic Alopecia**.

STEP 2

Preparation & Anaesthesia

- **Prepare** the sterile field with all necessary materials. Activate the N4SA machine with the RFID microchip before doing any extraction.
- **Disinfect** the retroauricular mastoid hairy area with chlorhexidine.
- **Shave** gently to remove stratum corneum.

STEP 3

Extraction

- **Anaesthetise** with 1 ml of Lidocaine 2% without vasoconstrictor.
- **Extract 3 biopsy punches** with a 2.5 mm dermal punch.
- Place the 3 biopsies in the **Rigeneracons® Derma**, on the grid under the helix.



STEP 4

Disaggregation & Collection

- Add approximately **1.8 ml of saline solution** through the extraction hole with a Luer Slip syringe.
- **Disaggregate** the tissue for **2 minutes**.
- **Cure** the patient's donor area and apply a band-aid.
- **Collect** the first vial with a 3 ml Luer Slip syringe.
- Add **1.8 ml of saline solution** through the extraction hole again.
- **Perform a 1 minute cycle** to collect any remaining material.
- **Collect** the volume in a second 3 ml Luer Slip syringe.
- **Mix** syringe 1 and syringe 2 using a connector.
- **Split** the volume between the two syringes.
- **Increase** the volume up to 3 ml with saline solution in each syringe. The result is **6 ml of AMT® Solution** divided into two syringes.
- Optionally, transfer the AMT® Solution to Luer Lock syringes for a safer infiltration. (*See dilution diagram in Figure 1*).

STEP 5

Infiltration

- **Disinfect** the infiltration area with antiseptic solution.
- Injections shall be approximately **0.1 ml per cm²**.
- Inject the AMT® Solution with a 30G x ½, 0.3 x 12 mm needle with a 45 degrees inclination to the scalp, into the deep dermis or superficial subcutaneous at most.
- **Gently massage** the scalp for one minute after the injections to distribute the solution.

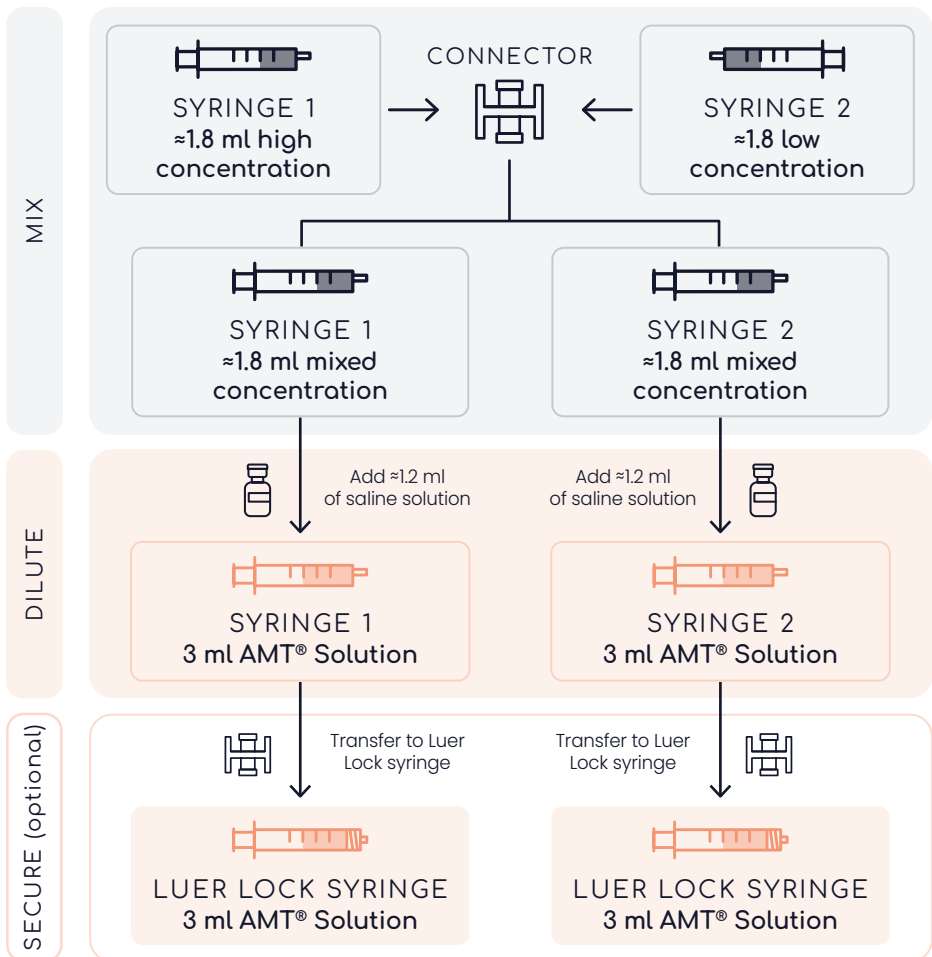


Figure 1. Dilution diagram for the obtention of the AMT® Solution.

Bibliography

1. Ruiz R. G., Rosell J. M. C., Ceccarelli G., et al. (2019). Progenitor-cell-enriched micrografts as a novel option for the management of androgenetic alopecia. *J Cell Physiol*; 1–7;
2. Zari S. (2021). Short-Term Efficacy of Autologous Cellular Micrografts in Male and Female Androgenetic Alopecia: A Retrospective Cohort Study. *Clinical, cosmetic and investigational dermatology*, 14, 1725–1736;
3. Gentile, P., Scioli, M. G., Bielli, A., Orlandi, A., & Cervelli, V. (2017). Stem cells from human hair follicles: first mechanical isolation for immediate autologous clinical use in androgenetic alopecia and hair loss. *Stem cell investigation*, 4, 58.



REMEDI



**Regenera
Activa**AMT

**Worldwide Distributor
of Regenera® technology**

Legal headquarters & office

C/ Sant Ferran 10-12, local
08031 Barcelona, Spain

Contact information

+34 93 514 57 56
info@regeneraactiva.com
www.regeneraactiva.com
@regeneraactiva_amt



Worldwide Manufacturer

C.so Galileo Ferraris, 63
10128 Torino, Italy



CE: 0425

US FDA Establishment
Registration Number:
3010882686



© 2023 Regenera Activa Worldwide, S.L. All rights reserved