THE DERM-O-JET

The Dermo-Jet is the latest model of the only original, authentic needle-less pressure infiltration apparatus available in the United States. Invented by Dr. A. Krantz, a French physician, the authentic DERM-O-JET bears the stampings “U.S. Patent No. 3,129,708, Robbins Instruments Co., Chatham, NJ”. The DERM-O-JET is a versatile, time-tested, medical instrument for administration of subtopical injections of parenteral medicaments, anesthetic solutions, steroids in aqueous suspension, soluble drugs, vaccines, antibiotics, etc. Each DERM-O-JET is stamped with a recorded serial number and is guaranteed against mechanical defects for a period of one year when used in accordance with the instructions. The DERM-O-JET is made of the highest quality materials and is marketed exclusively by Robbins Instruments Inc., Chatham, NJ, USA.

Loading and Priming

The DERM-O-JET is normally filled with a needle syringe from a vial with .5 to 4.5 ml. medicament. The Chamber ring line indicates 4.5 ml. filling capacity. After the detachment of the Injector Head, and especially following sterilization, there will be a small volume of air trapped inside the Injector Head’s channel and until this air is expelled by repeated priming, the ejected spray will not infiltrate the tissue.

Fold the charging arm over completely to load.

Ejection and Injection

The DERM-O-JET can be fired from any angle. It is actuated by pressing the thumb upon the Release Button, which instantly triggers the ejection mechanism with an explosive impact. The detachable plastic Spacer functions as a positioner and the injection site stabilizer. Additionally, being sterilizable in a germicidal bath, the Spacer provides clinical asepsis for routine injections. The closer the Injection Head is held to the site of infiltration, the smaller will be the puncture and the larger the dosage of injection.

After making the intradermal papule, inject as usual.

Sterilization

Prior to sterilization, the Injector Head and the Plastic Chamber should be removed from the DERM-O-JET and separated. The Plastic Chamber should be scrubbed with a soft brush followed by thorough rinsing in clear water. The Plastic Chamber should be filled with sterile water and fired a few times to cleanse the Plunger and the Injector Head. The DERM-O-JET may be sterilized by boiling or autoclaving (no gas) up to 284°F (140°C). The preferred sterilization for DERM-O-JET is by steam-autoclave method.

Unscrew and remove head and chamber to fill.

Place DERM-O-JET over intended injection point and depress thumb trigger.
DERMO-JET
Applications in Human Medicine

• Painless Uses:
  A local anesthetic prior to an injection using a syringe with a needle or a puncture (lumbar, pleural, articular, sternal, ...).

• Intradermic Injections and Tests:
  The reading of the result of the test is clearer due to the absence of any secondary infection which might be caused by a needle.

• Intradermic Vaccinations:

• Mesotherapy:
  Needleless injections can be given for intradermic treatment, local anesthetics or in connection with reflexology.

• Dermatology:
  This method can be used for in situ injections in the treatment of alopecia, psoriasis, keloids, acne, hypertrophic scars, sclerodism, keratosis, etc.

• Phlebology:
  Anesthetics prior to a thrombectomy and before hardening injections.

• Urology:
  The treatment of Peyronie’s disease.

• Proctology:
  The treatment of hemorrhoids.

• Gynecology:
  Needleless injections of progesterone to regulate the ovarian cycles.

• Minor Surgery:
  Painless suturing. By making contiguous papules one produces linear zones of anesthetic which help incision with a bistouri.

• Miscellaneous Uses:
  Acupuncture, sports medicine, aesthetic medicine, etc.