GARRY

INSTRUCTIONS FOR USE • EN

DHI Implanter Pen & Needle

Spring-loaded implanter pen and its hollow needle for graft placement in direct hair implantation (DHI).

- Reusable
- Supplied non-sterile
- Steam sterilization at 134 °C



DHI IMPLANTER PEN
DHI-PEN SERIES



DHI IMPLANTER NEEDLE
DHI-TIP SERIES

01

Device identification

PRODUCT FAMILY	ORDER CODE SERIES	SIZES	SUPPLY STATE
DHI Implanter Pen	DHI-PEN series	Needle diameter Ø 0.7, 0.8, 0.9, 1.0 and 1.1 mm; 5 order codes	Reusable; supplied non-sterile
DHI Implanter Needle	DHI-TIP series	Diameter Ø 0.7, 0.8, 0.9, 1.0 and 1.1 mm; 5 order codes	Reusable; supplied non-sterile

The pen and the needle are separate products with their own order codes. A pen and a needle of the same diameter carry the same colour, on the pen cap and on the needle hub, and are used together. Every size, its colour and its order codes are listed in section 02.

Pen: medical-grade steel, spring-loaded plunger, positive needle seat with adjustable needle depth. The pen disassembles without tools for reprocessing.

Needle: crafted from Japanese Steel (Garry J-Steel), with a colour-coded hub and a positive-seat fitting made for the GARRY DHI Implanter Pen.

02

Sizes and order codes

Each needle diameter is one size, in one colour, with one order code for the pen and one for the needle.

NEEDLE DIAMETER	COLOUR	PEN ORDER CODE	NEEDLE ORDER CODE
Ø 0.7 mm	Yellow	DHI-PEN-070	DHI-TIP-070
Ø 0.8 mm	Blue	DHI-PEN-080	DHI-TIP-080
Ø 0.9 mm	Red	DHI-PEN-090	DHI-TIP-090
Ø 1.0 mm	White	DHI-PEN-100	DHI-TIP-100
Ø 1.1 mm	Black	DHI-PEN-110	DHI-TIP-110

EXAMPLE

DHI-PEN - 090

Order code series

Needle diameter
Ø 0.9 mm

In a DHI-PEN or DHI-TIP code, the numeric group gives the needle diameter in hundredths of a millimetre, so DHI-PEN-090 is the Ø 0.9 mm pen and DHI-TIP-090 is the Ø 0.9 mm needle that goes with it. Confirm every order code and colour against the product label.

03

Intended purpose

The GARRY DHI Implanter Pen is a spring-loaded instrument intended for the placement of hair grafts in the recipient area during direct hair implantation (DHI). The graft is loaded into the hollow needle, the needle opens the recipient site, and the plunger releases the graft as the needle withdraws.

The GARRY DHI Implanter Needle is the hollow needle of the pen. It is intended to be used seated in the GARRY DHI Implanter Pen of the same diameter and colour. Placement depth is set by the exposed needle length, which is adjustable on the pen.

04

Intended users

For use by trained and qualified hair-transplantation clinicians, and by team members trained in graft loading under their supervision, who are familiar with DHI instruments and sterile technique. The instruments do not replace clinical training or the clinician's judgment about patient-specific sizing, depth and technique.

05

Warnings and precautions

- ⚠ The pen and the needle are supplied non-sterile. Clean and steam-sterilize them before first use and between every patient use.
- ⚠ The needle tip is sharp. Handle with appropriate protective equipment and keep the tip away from hands, hard surfaces and other instruments.
- ⚠ Use a pen and a needle of the same diameter and colour. Use the GARRY DHI Implanter Needle only in the GARRY DHI Implanter Pen, unless Garry Medical has confirmed another combination in writing.
- ⚠ Do not use a needle whose tip is damaged, bent or worn, or that does not seat firmly in the pen. Do not use a pen that is damaged or whose spring does not return cleanly. Remove them from service; do not re-sharpen, repair or modify them.
- ⚠ Disassemble the pen before cleaning and sterilization. An assembled pen shields its internal surfaces from cleaning fluid and steam.
- ⚠ Keep saline and chlorine-based cleaning agents off the steel and avoid prolonged soaking. Do not add a lubricant to the pen unless Garry Medical has confirmed it in writing.

06

Instructions for use

1. Verify the order codes, the needle diameter and the colour of the pen and the needle. Confirm that both are clean, sterilized, dry and undamaged.
2. Assemble the pen and seat the needle firmly. Check that the spring returns cleanly and that the exposed needle length matches the planned depth.
3. Load the graft into the needle. Choose the needle diameter by graft caliber, so that the graft is neither compressed nor loose in the needle.
4. The qualified clinician places the graft at the planned angle and depth under the clinic's approved protocol. The plunger releases the graft as the needle withdraws.
5. Change the needle according to the clinic's protocol, and at once if the tip shows any damage or the needle no longer seats firmly. A replacement needle of the same order code returns the pen to its set exposed length; check the length before continuing.
6. After use, handle the pen and the needle as contaminated and sharp, and begin reprocessing promptly.

07

Cleaning and reprocessing

Clean the pen and the needle before sterilization using the facility's validated reprocessing procedure. The pen is cleaned disassembled, and the needle channel is cleaned by fluid flow.

1. At point of use, keep the instruments moist with water or an enzymatic pre-treatment spray. Flush the needle channel with water before blood or tissue residue dries.
2. Remove the needle and disassemble the pen without tools. Keep the components of one pen together.
3. Clean all components with a neutral-pH detergent using a validated process, following the detergent label for dilution, water temperature and contact time. Ensure cleaning fluid flows freely through the needle channel. Do not use saline or chlorine-based agents and avoid prolonged soaking.
4. Rinse thoroughly using the facility's validated water-quality process. Inspect the components and the needle tip under adequate lighting. Repeat cleaning if any soil or residue remains.
5. Dry all components completely. Protect the needle tip during handling and place the clean, dry components in an appropriate validated sterilization tray or container.

08

Sterilization



The pen and the needle are supplied non-sterile. Steam-sterilize them at 134 °C after cleaning, before first use and between uses. The pen goes into the sterilizer disassembled so that steam reaches every surface. Because the needle has a channel and the pen is a complex load, use a validated prevacuum (dynamic air-removal) cycle where supported by the facility's validated process.

Set exposure and drying times according to the sterilizer manufacturer's instructions and the facility's validated process for the instruments and their packaging, and follow the facility's cycle monitoring and release procedures. Reassemble the pen using aseptic technique and check the spring action after reassembly.

09

Inspection, storage and end of service life

Inspect the needle tip, the needle seat and the spring action before every use. The reusable needle is designed for up to 15,000 penetrations before the tip dulls; replace it earlier if the tip shows any damage, wear or corrosion, or if it no longer seats firmly in the pen. No fixed reuse count is specified for the pen; remove it from service if it is damaged or the spring does not return cleanly. Do not re-sharpen or refurbish either instrument.

After sterilization, keep the instruments in the validated sterile barrier or container until use, and store clean, dry instruments so that the needle tip cannot contact hard surfaces. Dispose of a damaged or retired sharp instrument according to the facility's sharps and contaminated-waste procedures.

10

Questions and incident reporting

Questions about use or reprocessing that these instructions do not cover are answered in writing by Garry Medical. Write to info@garrymedical.com and name the order code.

Report any serious incident that has occurred in relation to the instrument to Garry Medical and to the competent authority of the country in which the user is established.

11

Brand and company information

BRAND	Garry
AUTHORIZED FIRM	Garry Medikal İthalat İhracat Limited Şirketi
ADDRESS	Oruçreis Mah. Tekstilkent Cad. Tekstilkent A5 Blok No:10 Ap./1B03 Esenler, İstanbul / Türkiye
CONTACT	info@garrymedical.com | +90 212 909 03 45



GARRY

Precision instruments for hair transplantation

info@garrymedical.com • +90 212 909 03 45 • garrymedical.com