



ROYAL COLLEGE
of PODIATRY

ANNUAL CONFERENCE
& EXHIBITION

PODIATRY
2023

REIMAGINING PODIATRY

23-25 NOVEMBER

ACC LIVERPOOL

[RCPOD.ORG.UK/PODIATRY2023](https://rcpod.org.uk/podiatry2023)

Suturing Workshop

24th November 2023



Mr Ewan Kannegieter MSc FRCPodS FFPM RCPS (Glasg)

Faculty



Agenda

Wounds

Needles

Sutures and Safety

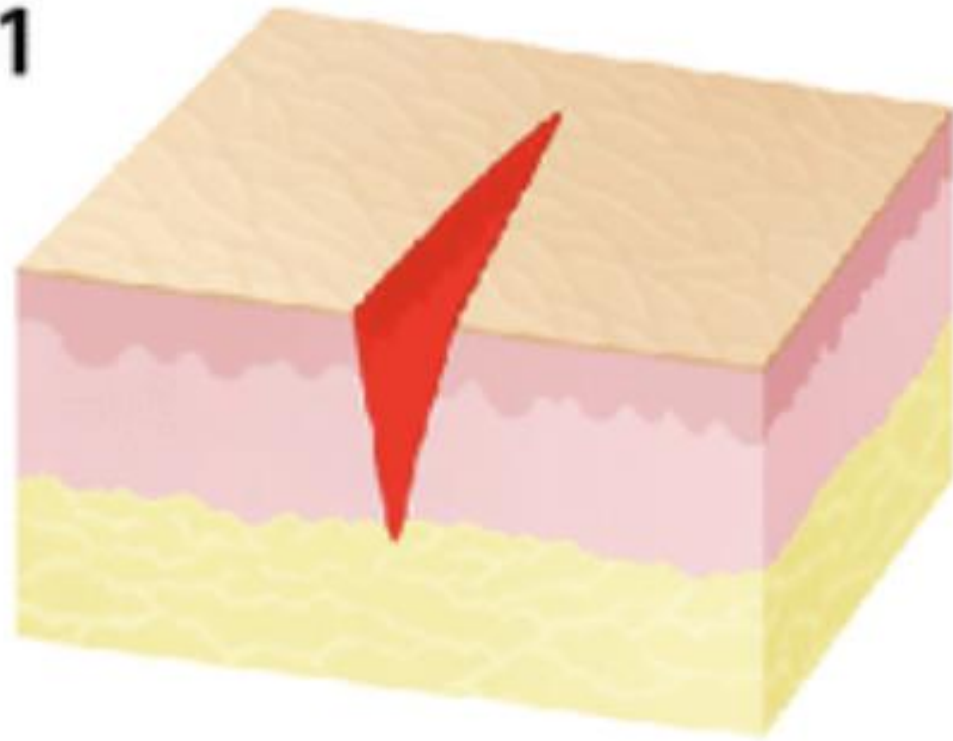
Knots

Ties

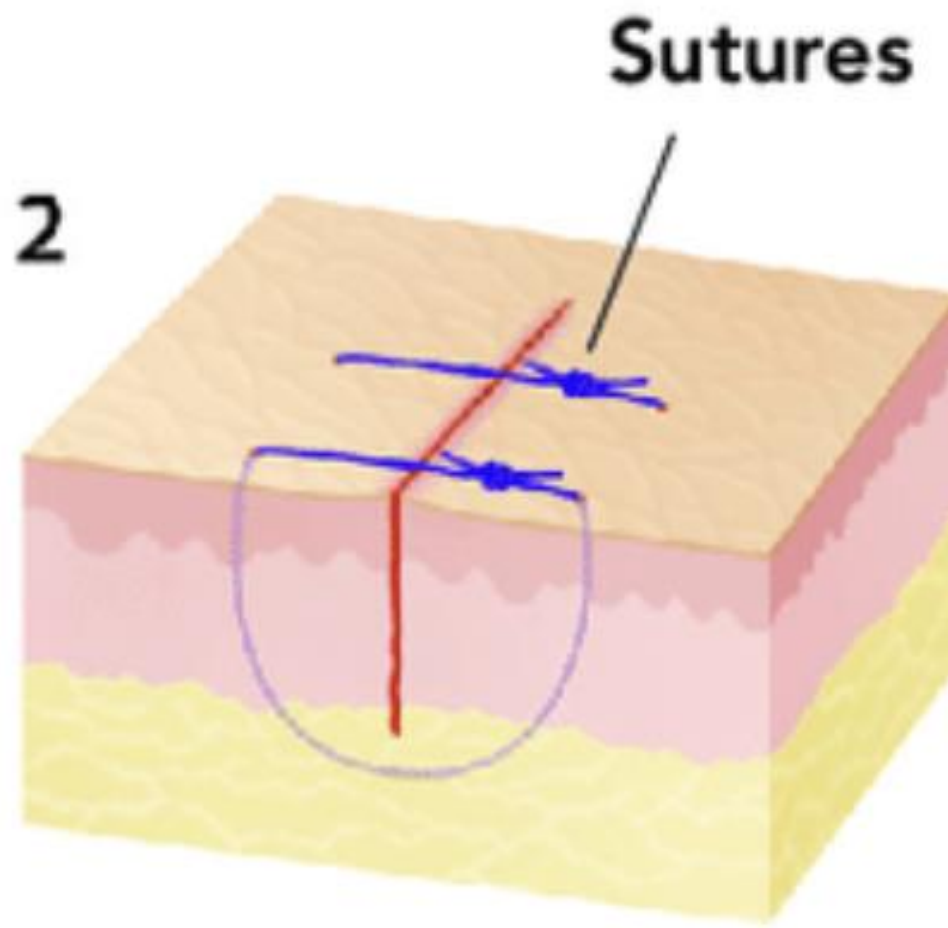
Wounds

Primary Intention

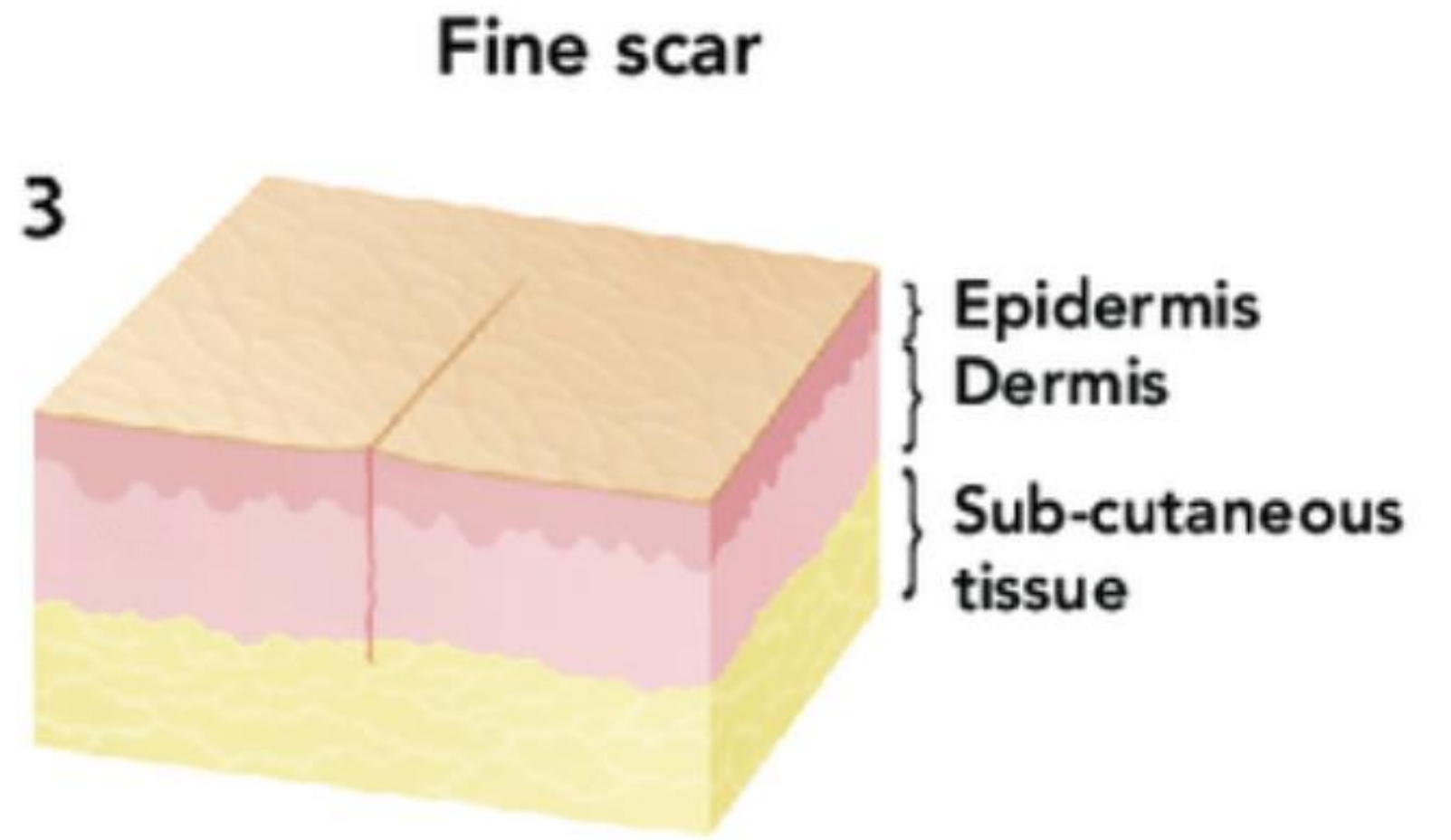
1



2

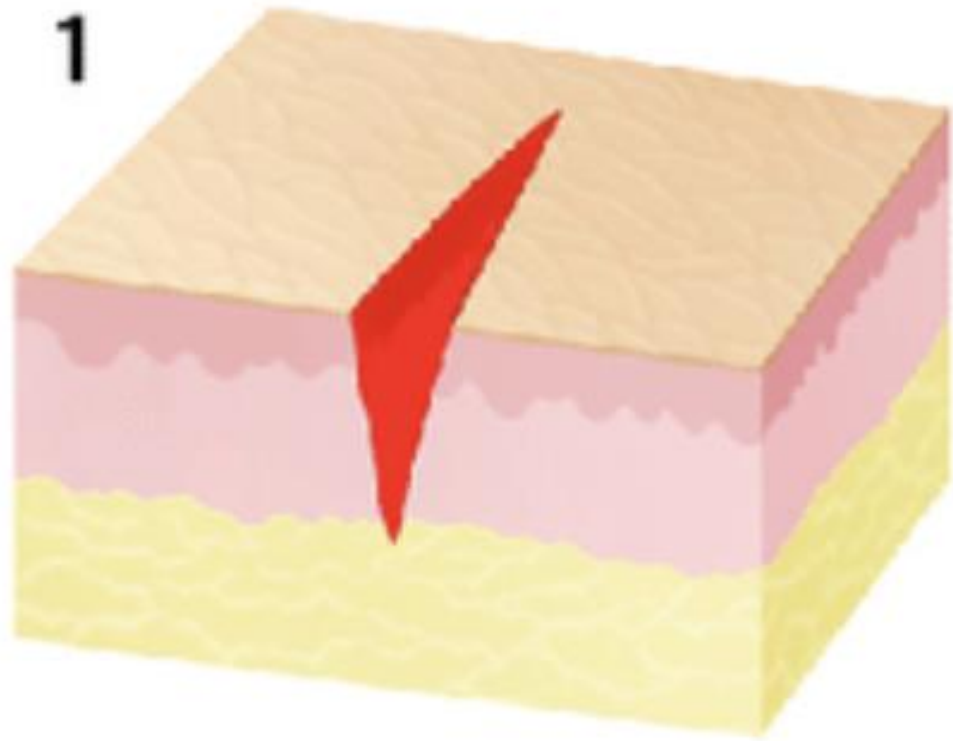


3

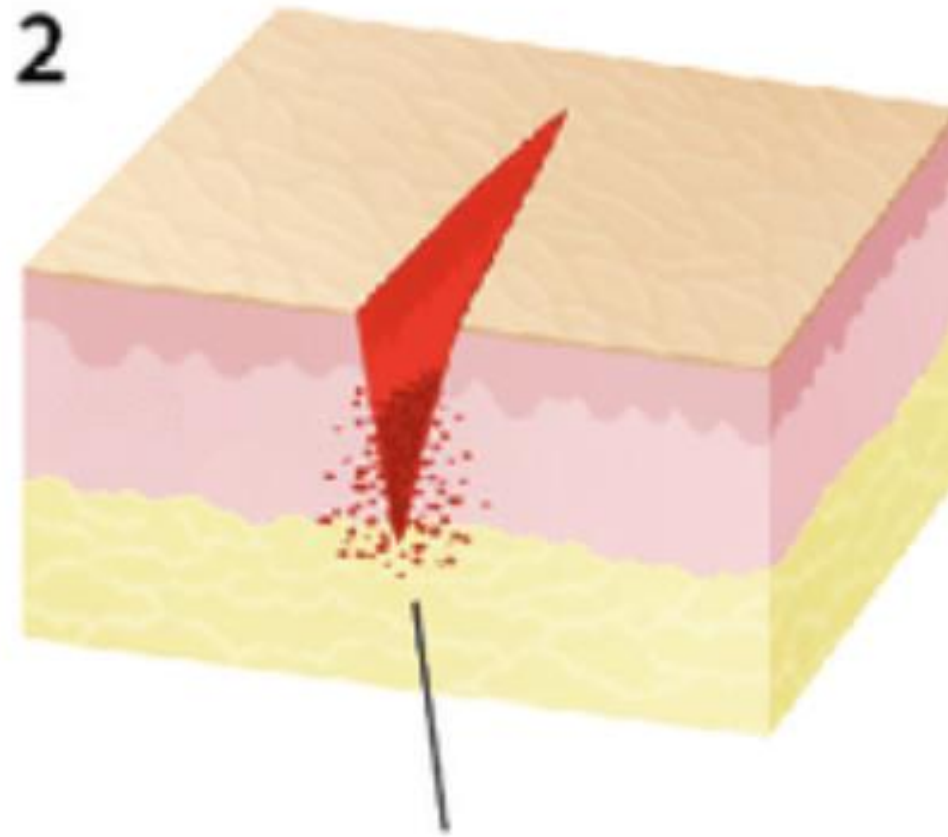


Secondary Intention

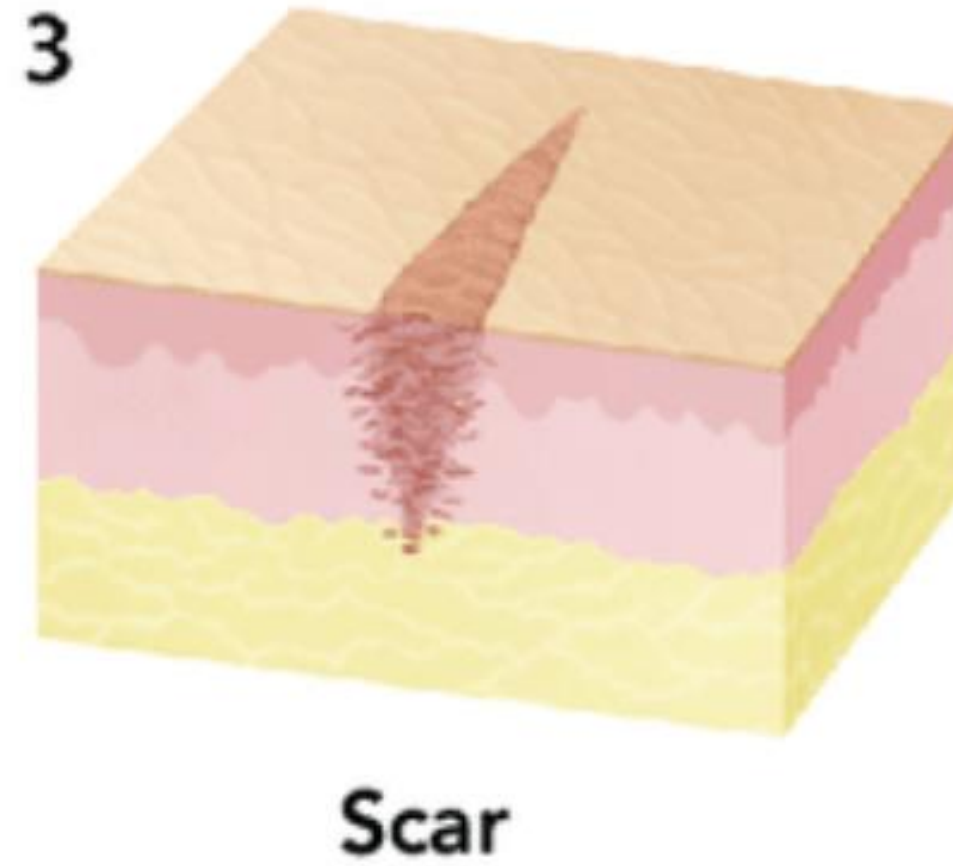
1



2



3



Needles

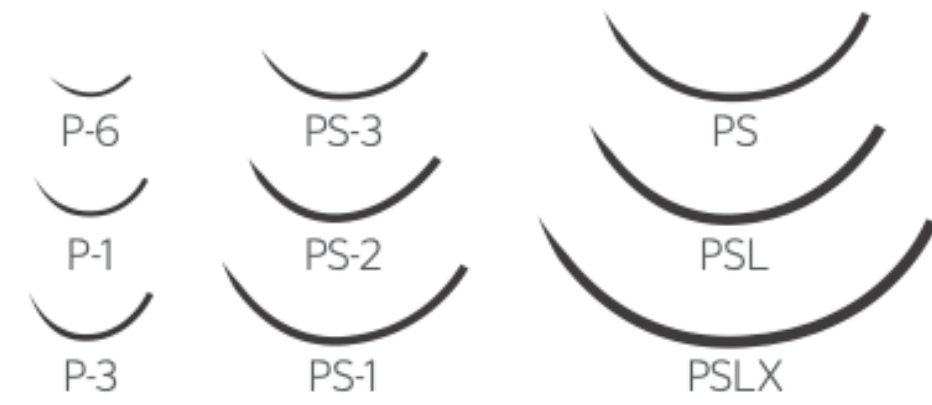
Ethicon Needle Sales Types

Cutting Edge

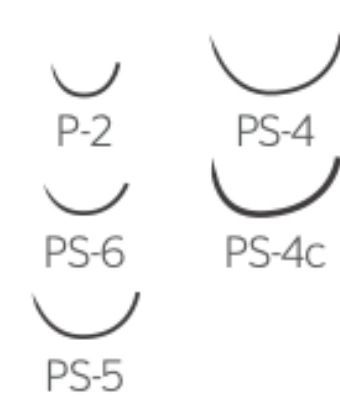
PRECISION POINT

Reverse Cutting

3/8 Circle

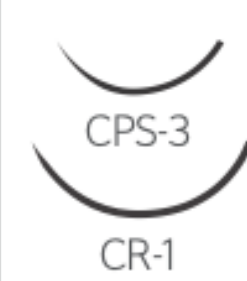


1/2 Circle



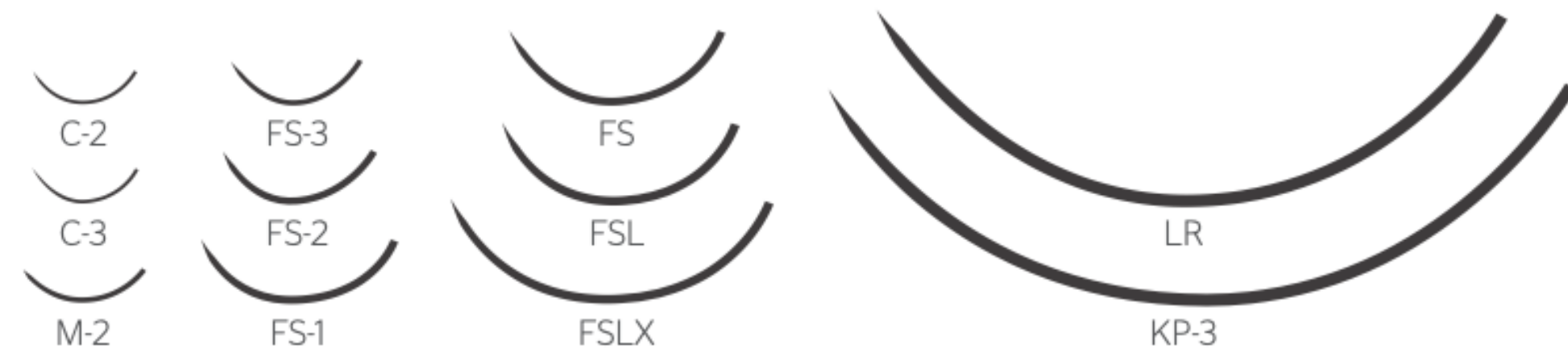
Conventional Cutting

3/8 Circle

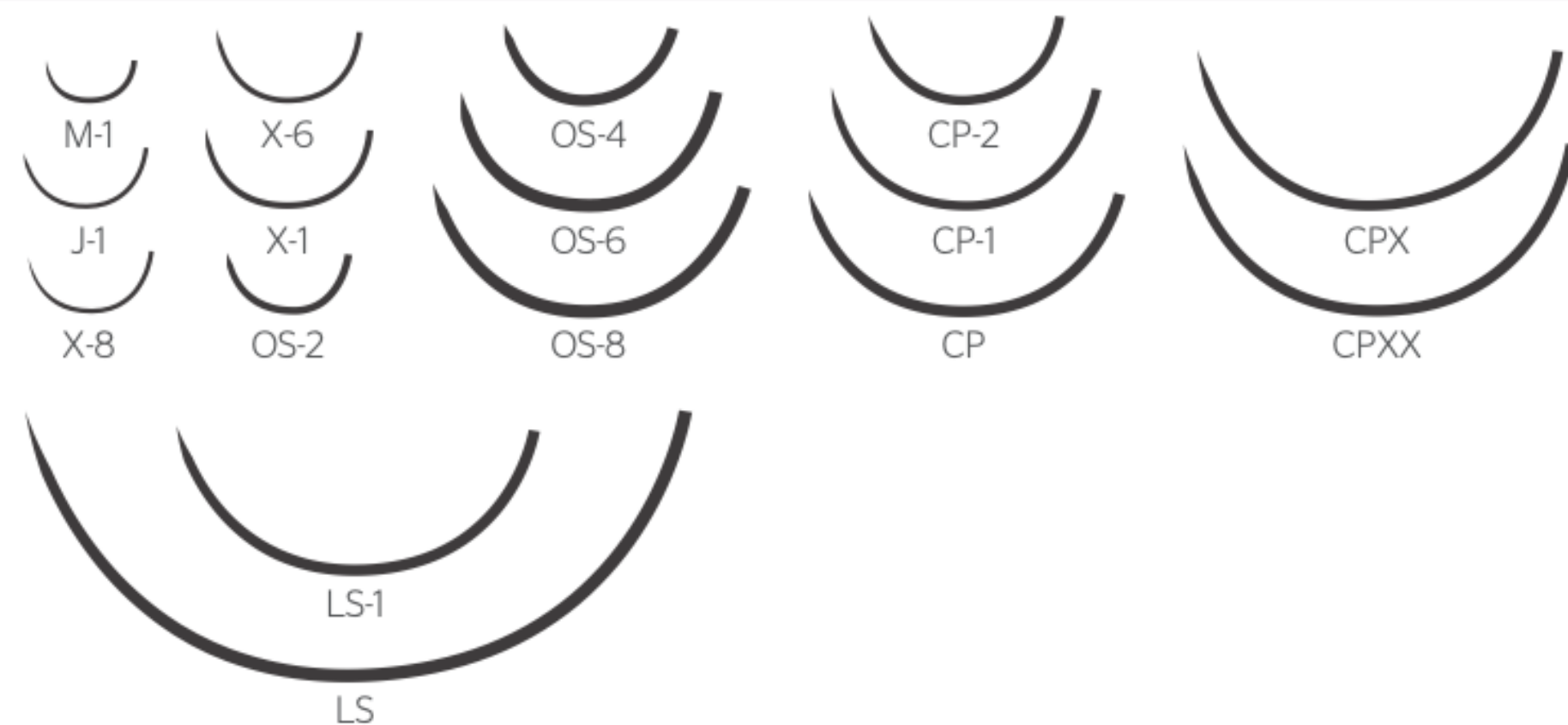


REVERSE CUTTING

3/8 Circle



1/2 Circle



MICRO-POINT®

Reverse Cutting

3/8 Circle 1/2 Circle



ULTIMA®

Spatula

1/8 Circle 1/4 Circle 3/8 Circle 1/2 Circle



ULTIMA®

SPATULA

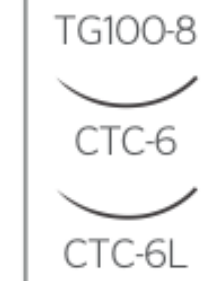
Bi-Curve

CS-B-6

Compound Curve

CS-C-6

1/4 Circle



3/8 Circle



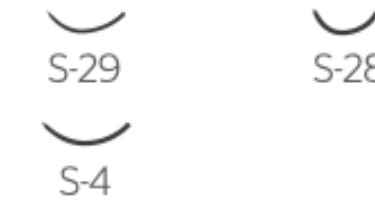
1/2 Circle



SABERLOC®

Conventional Spatula

1/4 Circle 1/2 Circle



Spatula

1/8 Circle 1/4 Circle 1/2 Circle



Center Point Spatula

RD-1

Straight Transchamber

STC-6

Bi-Curve

TG4-S TG6-S

Compound Curve

TG6-C

PRECISION COSMETIC

Conventional Cosmetic Prime®

3/8 Circle



1/2 Circle



STRAIGHT

SC-1

KS-1

TS

KS

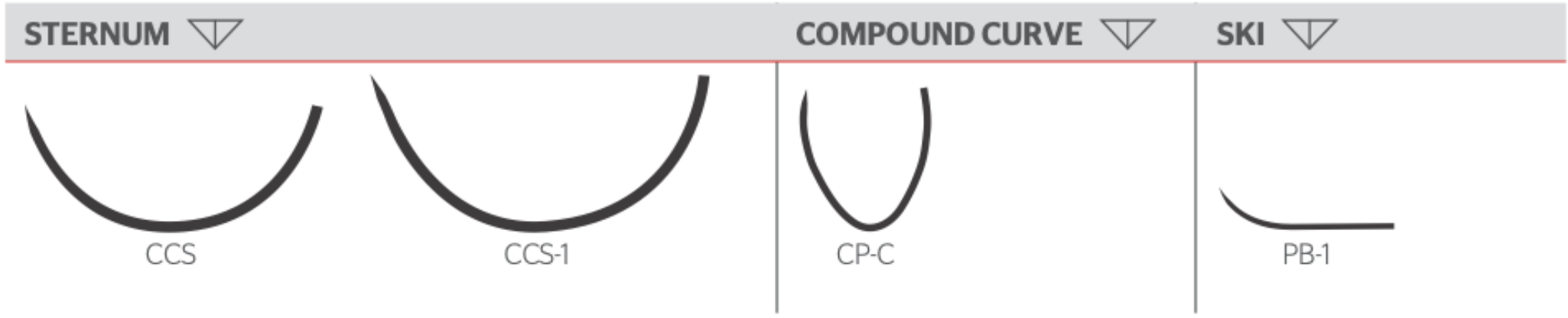
SKS

CCS-ST

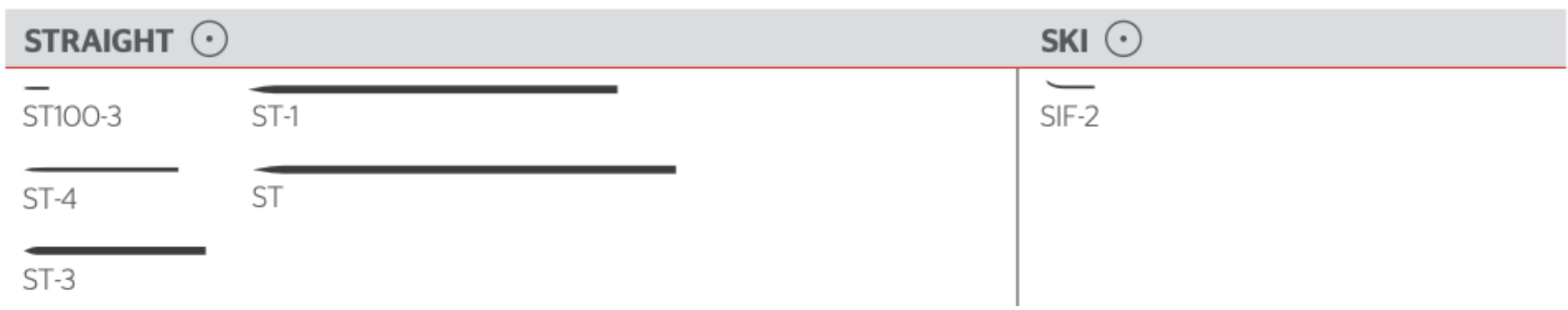
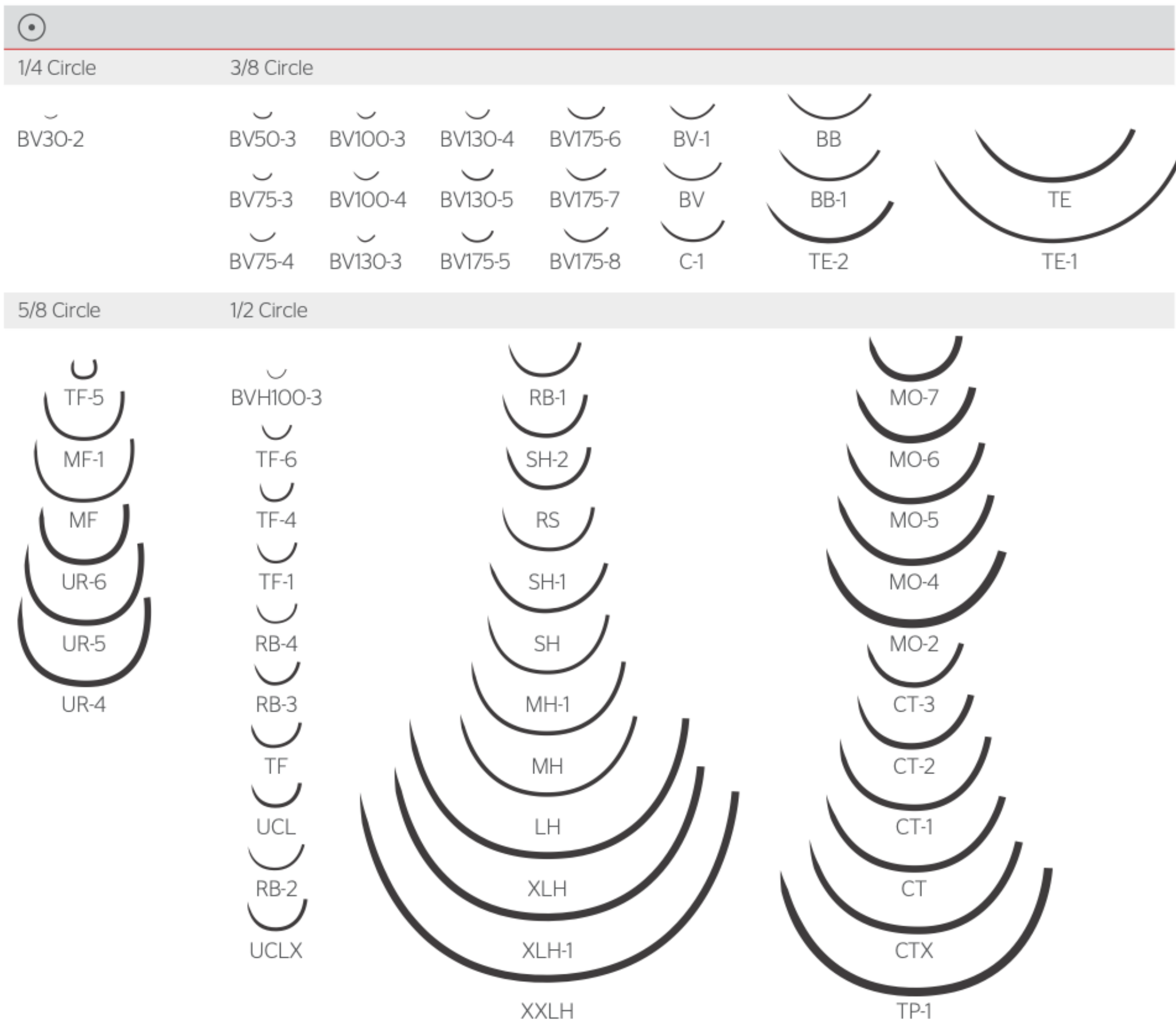
BN

SK-3

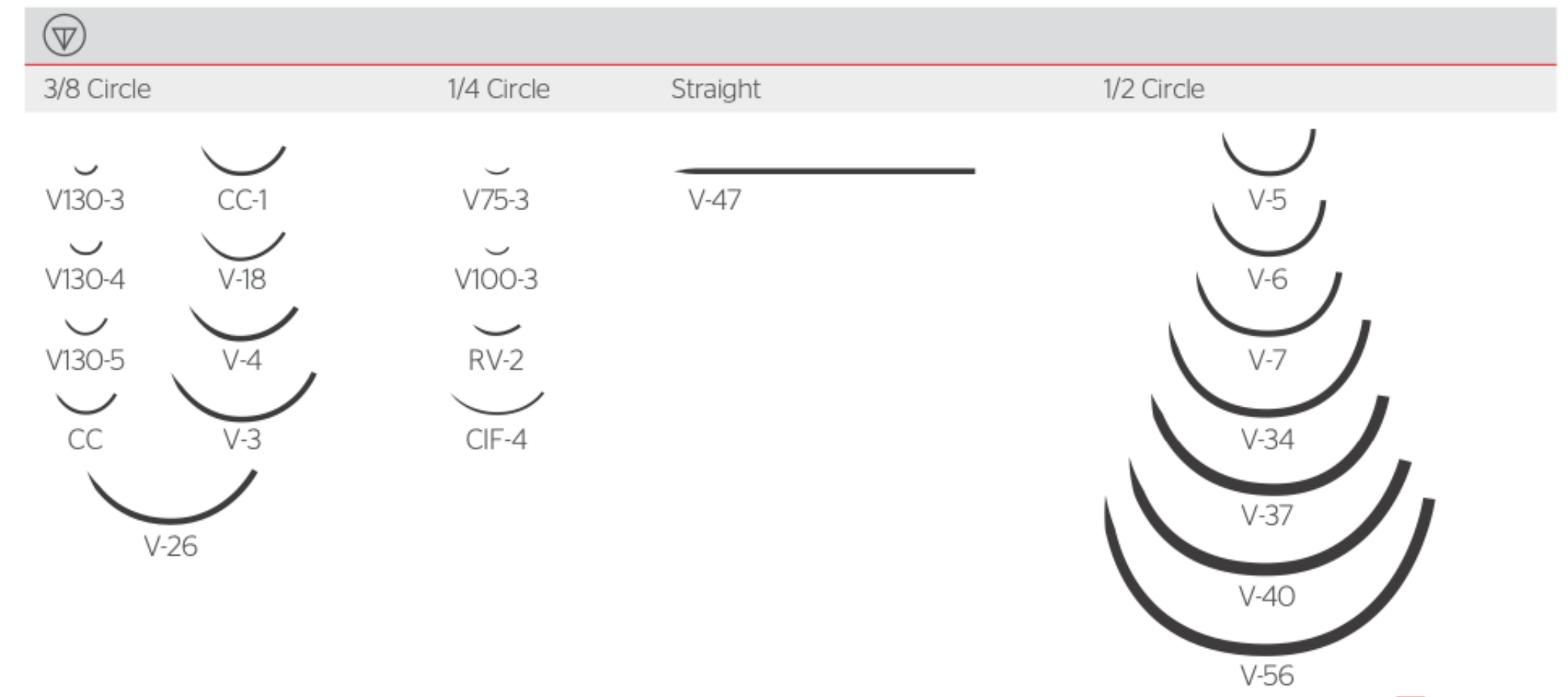
SKS-3



Taper Point



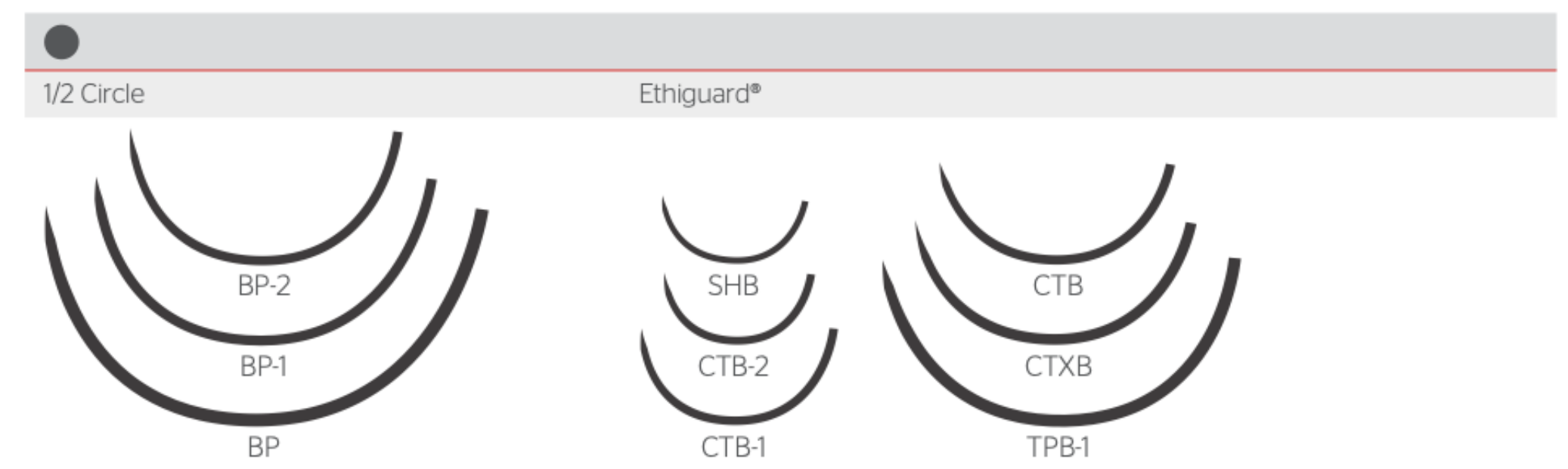
Tapercut®



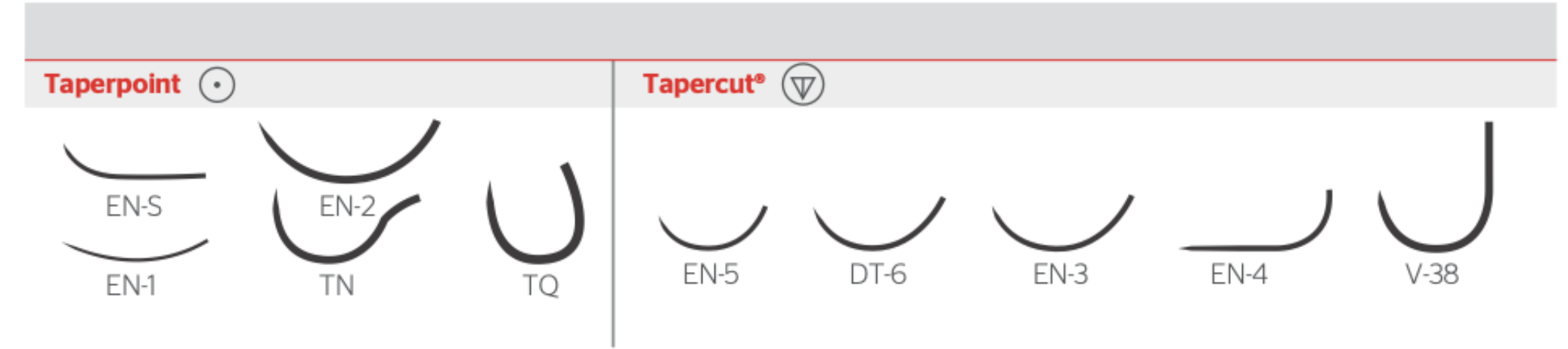
Trocar



Blunt Point



Endoscopy



The Surgical Needle

Miriam Byrne¹, Al Aly¹

Affiliations + expand

PMID: 30869752 DOI: [10.1093/asj/sjz035](#)

Abstract

A variety of modern surgical needles are available to today's surgeon. However, a surgeon's preference of surgical needles, is usually influenced by experience, ease of use, and the postoperative result, such as scar quality. This article describes the selection of needle designs available, and their intended clinical applications. Key factors in the basic design of the surgical needle include, the quality of its alloy, surface coating, and needle geometry. The needle alloy provides strength and ductility. Silicon coating maintains the sharpness and consistency of penetration of the needle. Sharpness is also determined by the angle of the point and taper ratio of the needle. Needle sizes range from extremely fine microsurgical needles to very thick needles for sternal closure. Needlepoint type is selected based on the particular tissue type where they are used. A conventional cutting needle is used for tough tissue, such as skin, whereas a reverse cutting needle is selected to reduce the risk of tissue cutout. Round-body needles are used in tissues that are easy to penetrate and in crucial procedures such as tendon repair, where suture cutout would be disastrous. A blunt-point, round-body needle dilates rather than cuts, and is preferred in abdominal fascial closure, to prevent inadvertent visceral injury and bleeding. The taper-cut needle punctures and then dilates and is used for vascular anastomosis. Although the needle and suture choice are entirely the surgeon's, this article hopefully may serve as a reference for those who are deciding on these issues critically.

Sutures

Suture types

Absorbable

Non-absorbable

Braided

Monofilament

Braided

Monofilament

Vicryl

Vicryl
rapide

Monocryl

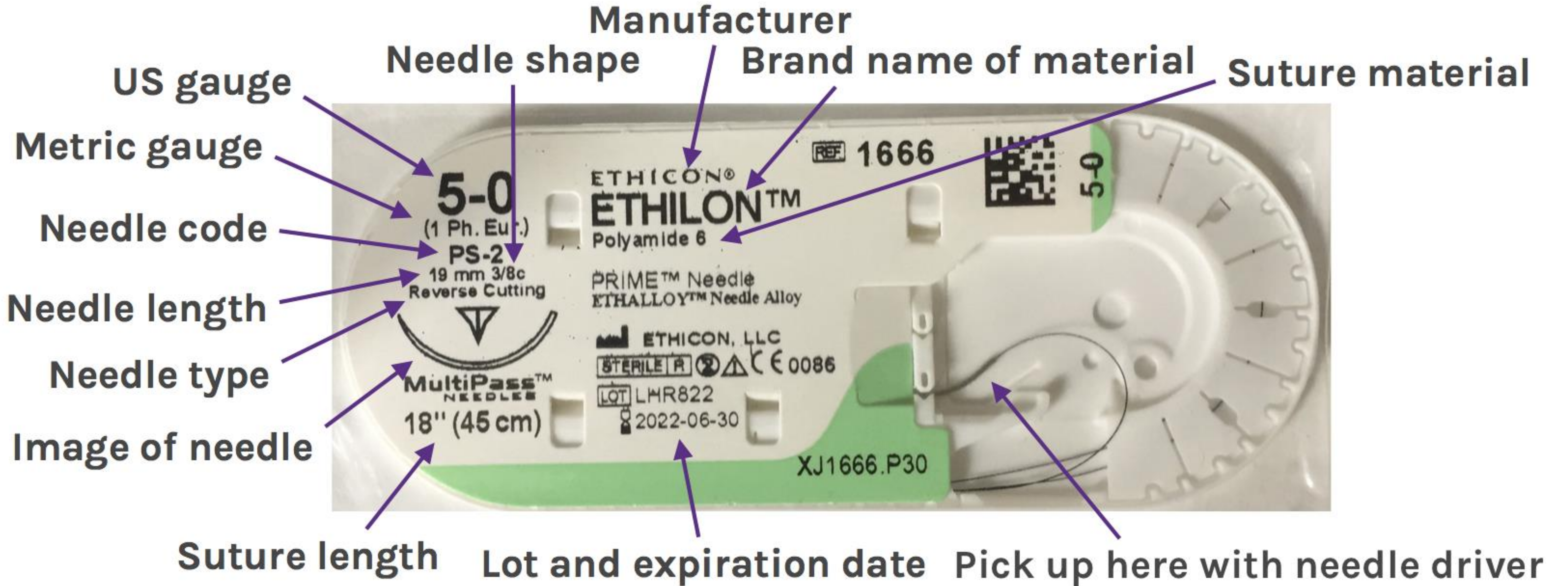
Fast
absorbing
gut

Chromic
gut

Ethibond

Silk

Ethilon



Safety



WARNING DO NOT FILL ABOVE THE LINE

SHARPSGUARD® yellow 22

DANGER

DESTROY BY INCINERATION

OR OTHER SUITABLY
AUTHORIZED PROCESS

EWC 18-01-01, 18-01-03
EWC 18-01-29, 18-02-01
EWC 18-02-02, 18-02-04

UN3291

Clinical Waste

Unspecified, N.O.S.

Assembled by: _____ Date: _____
Disposed by: _____ Date: _____
Hospital: _____ Dept/Ward: _____



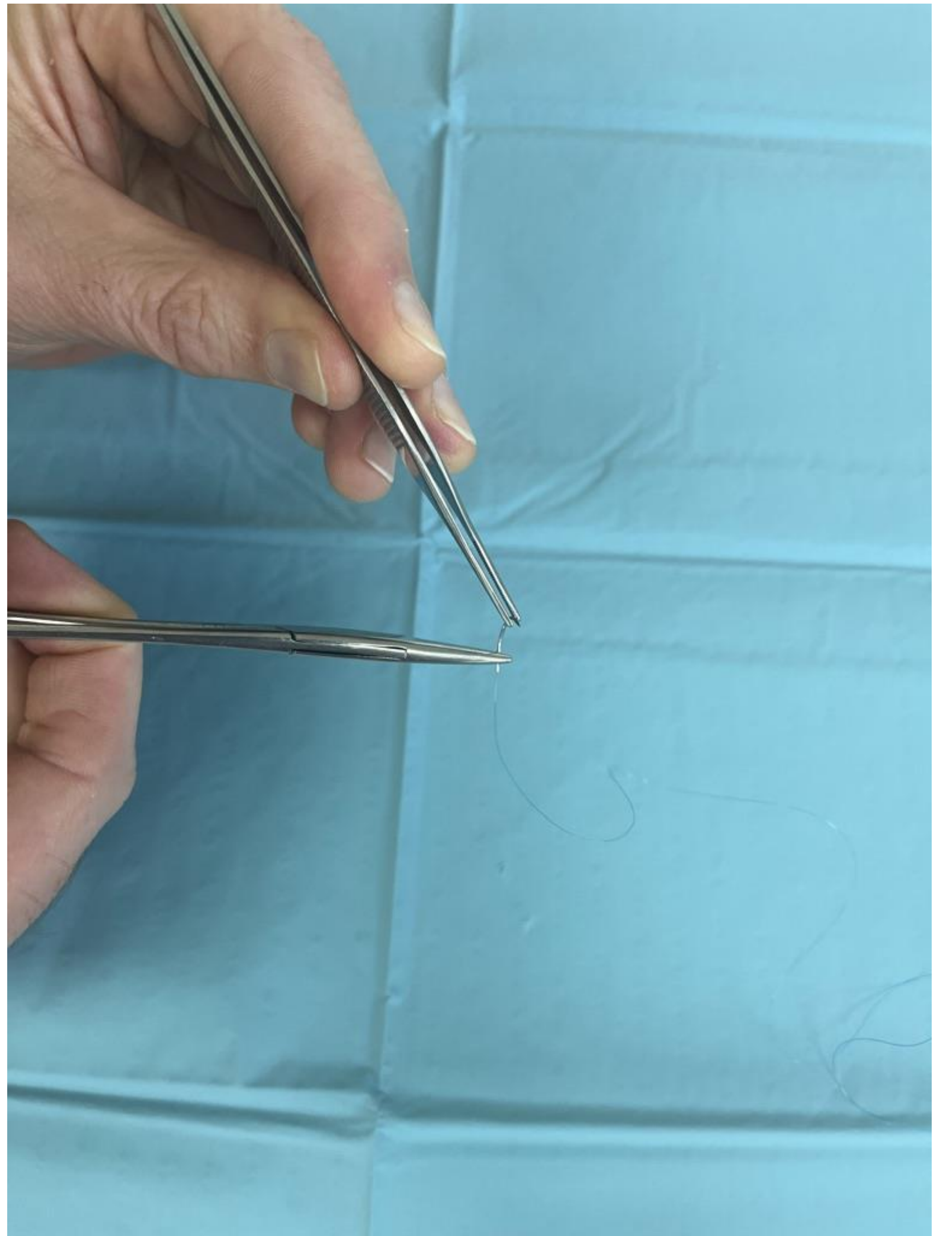
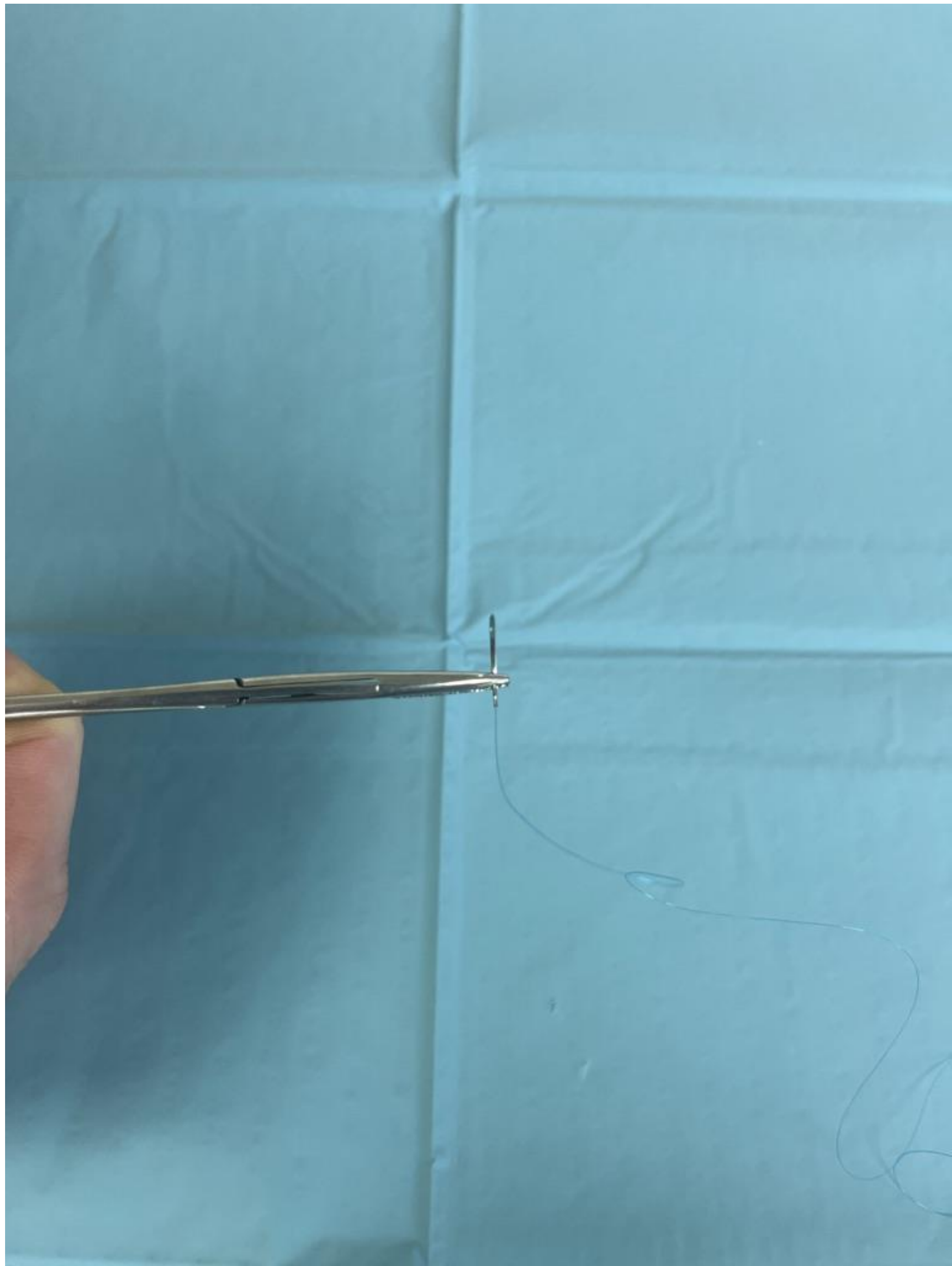
1H2/Y5/S13/GB/5670

HAZARDOUS WASTE
INFECTIOUS CLINICAL WASTE

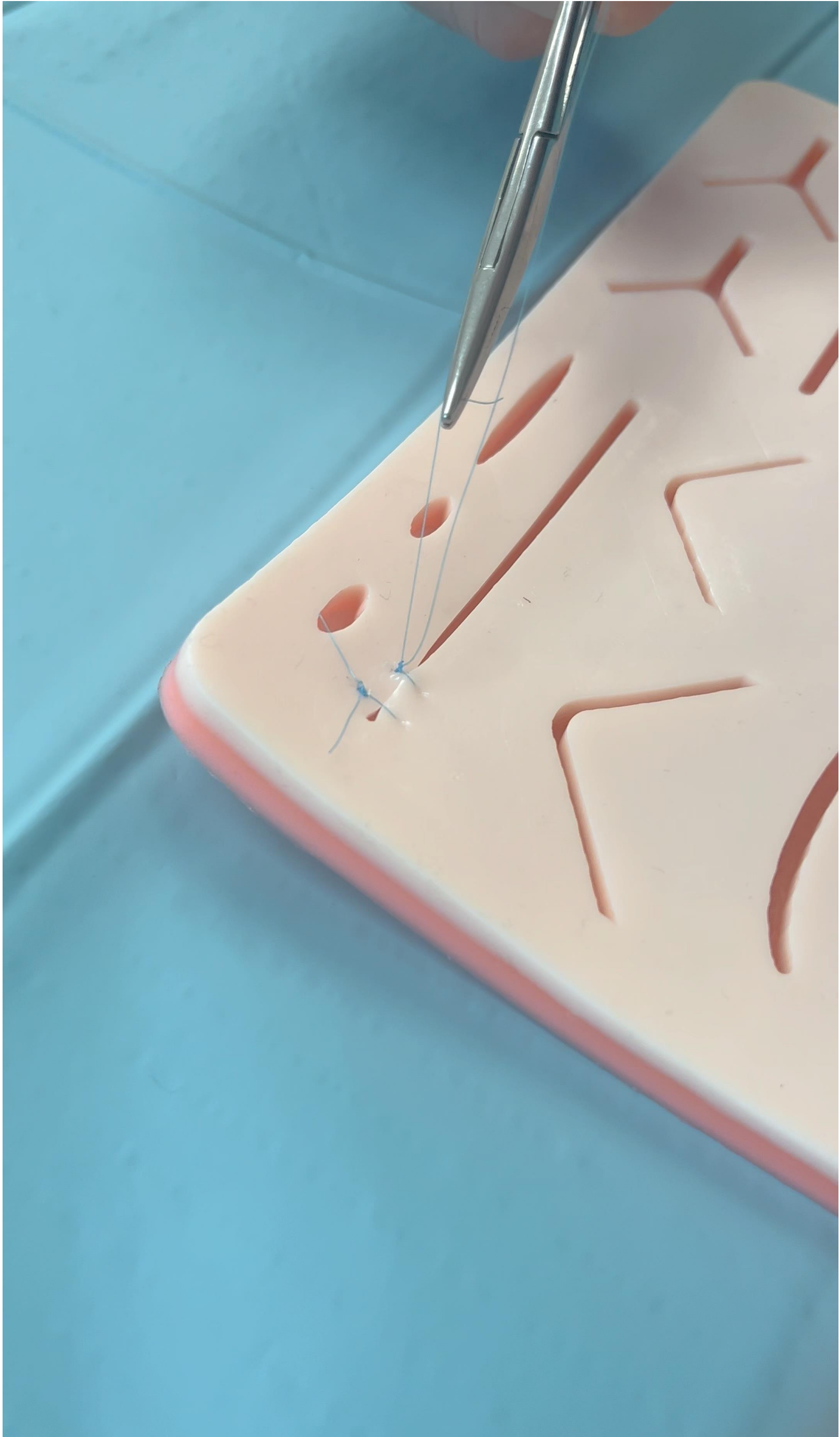
SHARPS, INFECTIOUS LIQUID
CONTAMINATED WITH BACTERIAL,
VIRAL AND OTHER PATHOGENS

LICENCE NO. KM28577
BS EN ISO 23907:2012
Nominal Capacity 22 Litres

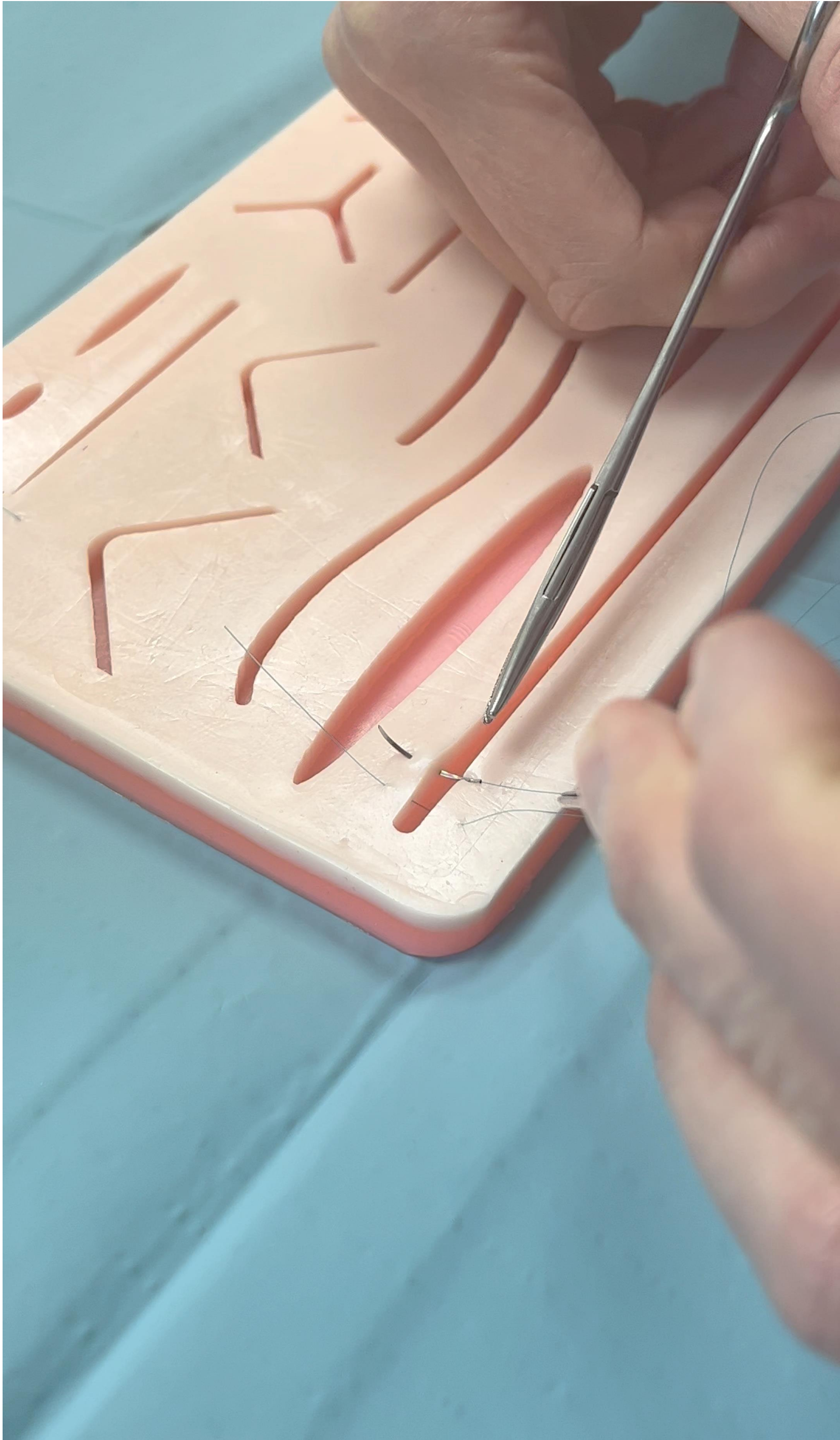
d.
Order code: DD475YL
22 Litre



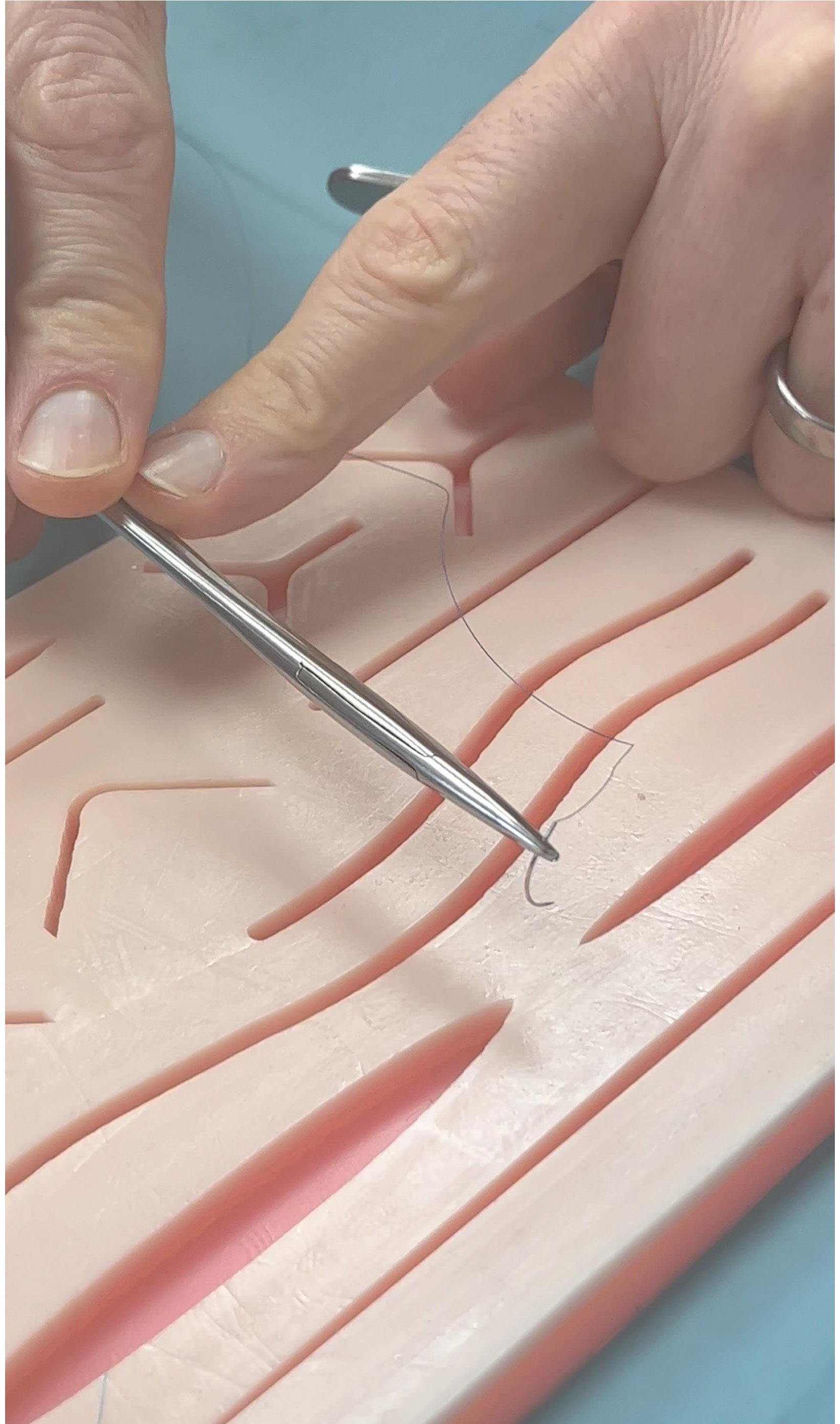
Simple
Single
Suture



Horizontal Mattress Suture



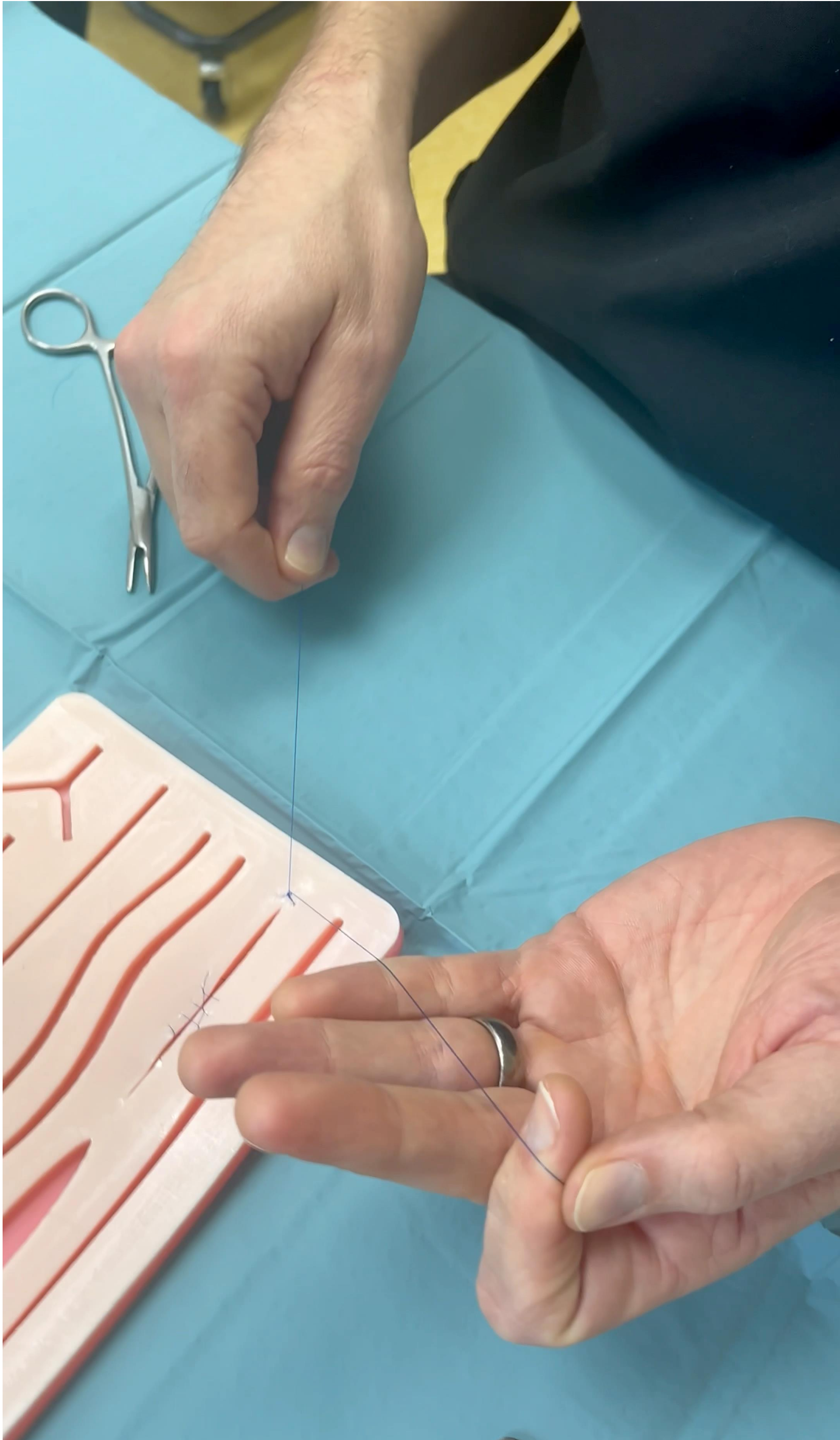
Subcutaneous Running Suture



Running- Locking Suture



**One handed
knots**



Thank you

ewan.kannegieter1@nhs.net

@kannfootsurgery

Mr Ewan Kannegieter MSc FRCPodS FFPM RCPS (Glasg)
Consultant Podiatric Surgeon

November 2023

