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# Plastic Surgery Line

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Atramot<sup>®</sup>  
Innovate in medical devices

# Plastic Surgery

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With 45 years of experience in the market and recognition in more than 70 countries and 4 continents, Atramat® is today an essential part of medical device development, providing security and confidence to surgeons worldwide.

Atramat® has established itself as a leading company in sutures, working side by side and in close and permanent communication with surgeons, resulting in the development of new products and special presentations that fully meet surgical needs and stringent international specifications.

In Atramat® we know that the aesthetic and functional harmony achieved through a surgical procedure results in a better quality of life for the patients. That is why we manufacture sutures with needles that are precision sharpened for easy penetration and minimal tissue trauma, and synthetic materials that provoke less immune response, creating more aesthetic scars.



Restore, correct congenital deformities, traumas, burns and reconstructions, and improve different parts of the face and body to enhance appearances.

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## Atramat® PGLA90

Poly (L-lactide-co-glycolide). (30/70) and calcium stearate.

Synthetic, braided multifilament absorbable suture, violet or colourless.

Minimal tissue reactivity

Absorption occurs through progressive hydrolysis and is completed within 56 to 70 days.

It maintains 75% of its tensile strength at the end of the second week, providing artificial support during the critical healing process.

Colour code: Intense violet.

## Atramat® PGA

Synthetic, braided multifilament absorbable suture, violet and beige.

Coated with polycaprolactone and calcium stearate.

Minimal tissue reactivity observed under the microscope

Absorption occurs through progressive hydrolysis and is completed within 60 to 90 days.

It maintains 70% of its tensile strength by the end of the second week and 50% by the third week.

Calibres are within USP parameters, and therefore a lower amount of foreign body material is implanted in the tissue.

Thread colour: Violet and beige

Colour code: Violet

## Atramat® PGLA90 RAPID

Poly (L-lactide-co-glycolide). (30/70) and calcium stearate.

Synthetic, braided multifilament absorbable suture, beige.

Coated with polycaprolactone and calcium stearate.

Minimal tissue reactivity observed under the microscope.

Absorption occurs through progressive hydrolysis and is completed within 42 days.

It maintains 50% of its tensile strength at the end of the first week.

Thread colour: Beige.

Colour code: Red

## Atramat® PGA RAPID

Synthetic, braided multifilament absorbable suture, beige. Coated with polycaprolactone and calcium stearate.

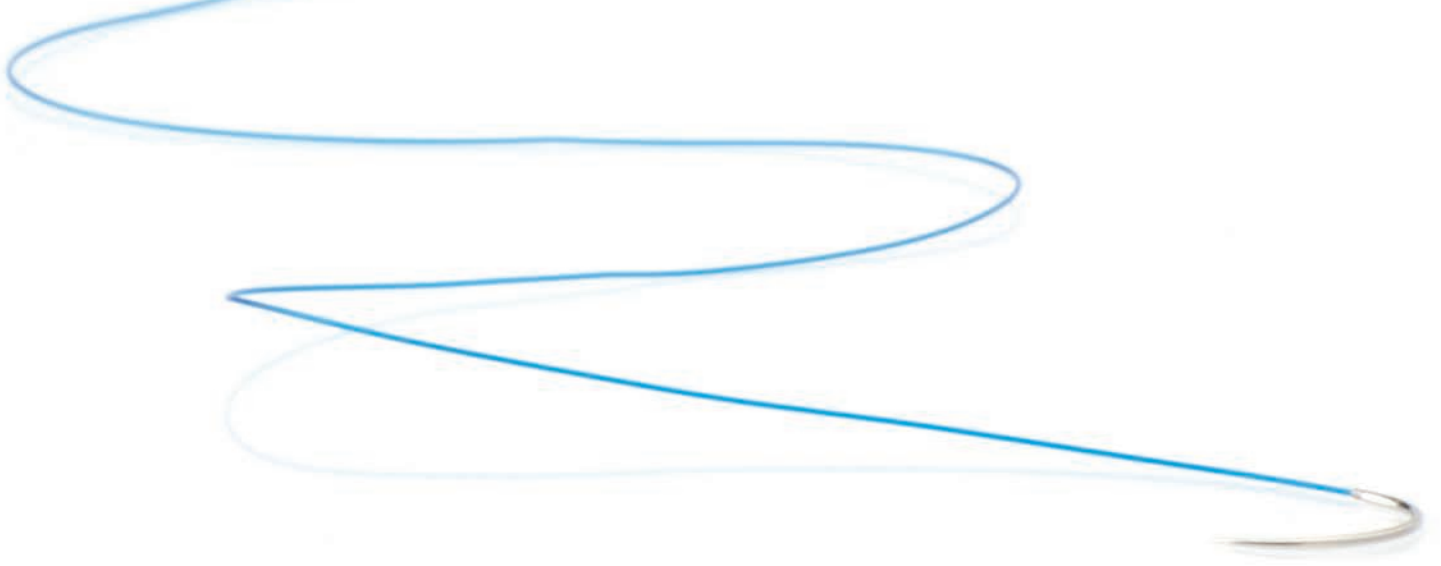
Tissue reactivity under the microscope is minimal.

Absorption occurs through progressive hydrolysis and is completed within 42 days.

The suture maintains 50% of its tensile strength by the end of the first week.

Thread colour: Beige.

Colour code: Pink



## Atramat® PDX (Polydioxanone)

Synthetic, absorbable monofilament suture, violet.

Tissue reactivity observed under the microscope is minimal.

Absorption occurs through progressive hydrolysis and is completed within 180 to 210 days.

The suture maintains 70% its tensile strength by the end of the fourth week and 50% by the sixth week.

Calibres are within USP parameters, therefore a lower amount of foreign body material is implanted in the tissue.

Thread colour: violet and colourless

Colour code: silver

## Atramat® Nylon

Non absorbable monofilament synthetic suture, black.

Obtained by polyamide extrusion (6.0 and 6.6) with a uniform cylindrical diameter.

Tissue reactivity is minimal.

The thread passes gently through tissues offering minimum tissue drag. Because it is monofilament it does not harbour micro-organisms and there is no capillary action.

Nylon is a non-absorbable material which over time becomes encapsulated by connective tissue.

- Colour code: Green

## Atramat® Polypropylene

Synthetic, non-absorbable monofilament suture, blue.

Computer controlled extruded filament with uniform diameter.

Tissue reactivity is minimal.

Polypropylene is extremely stable, and is ideal for permanent tissue support without losing its tensile strength.

Its superior biocompatibility makes it ideal for the plastic surgeon; its softness and plastic deformation produce minimal tissue drag and proper knot coupling, providing excellent safety.

Colour code: Blue

## Atramat® Silk

Non-absorbable braided multifilament suture of natural origin, black, white or blue.

It is obtained from the cocoon of the Bombyx Mori silkworm.

Tissue reactivity is moderate.

Tensile strength remains over time even though it becomes encapsulated by the tissue.

Colour code: Light blue.



## AtraGlide Needles

More sharpness and smoothness

Made of a high quality alloy, AtraGlide needles are an excellent choice in plastic and reconstructive surgery.

As well as a unique design and technology, their special coating provides easy penetration and passage through tissue.

The narrow, stylized tip provides easy penetration while maintaining excellent control.

From the tip, the cutting edges become wider and longer to help penetration then merge back into the body of the needle, leading to reduced tissue trauma.

## Some of the surgical procedures are:

- Abdominoplasty
- Blepharoplasty
- Mammoplasty
- Breast implants
- Mastopexy
- Rhinoplasty
- Otoplasty
- Mentoplasty
- Gluteoplasty



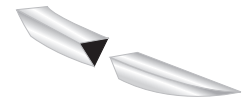
### AtraGlide REVERSE CUTTING



This needle is an evolution in geometric design

It has four micro-sharpened cutting edges and a modified diamond shape at the tip. This remarkable ultra-smooth sharpening creates four narrow edges which expand from the tip along the needle to maximize penetration. They then merge back into the needle body, thereby reducing tissue damage. The AtraGlide needle is ideal for plastic, cosmetic and reconstructive surgery.

### REVERSE CUTTING



This cutting needle is characterized by a triangular-shaped cutting pattern and the fact that its cutting edge is on the exterior curve of the needle body.

This needle is widely used in reconstructive plastic surgery and in general for skin closure where good cosmetic results are required.

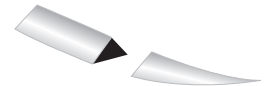
### SUPRA-SHARP REVERSE CUTTING



This cutting needle is characterised by a triangular-shaped cutting pattern and by the fact that the cutting edge is on the outside of the needle body.

This needle has particularly narrow edges which makes tissue penetration easier. It is widely used in reconstructive plastic surgery and in general for skin closure where good cosmetic results are required.

### CONVENTIONAL CUTTING



This cutting needle is characterized by a triangular-shaped cutting pattern and the fact that its cutting edge is on the inside of the needle body.

This needle is widely used in reconstructive plastic surgery and in general for skin closure where good cosmetic results are required.

### SUPRA-SHARP CONVENTIONAL CUTTING



This cutting needle is characterised by a triangular-shaped cutting pattern and by the fact that the cutting edge is on the inside of the needle body.

This needle has particularly narrow edges which makes tissue penetration easier. It is widely used in reconstructive plastic surgery and in general for skin closure where good cosmetic results are required.



To learn more about this and all of our products, please visit our site:

[www.atramat.com](http://www.atramat.com)



# Plastic Surgery

## Atramat® PDX (Polydioxanone)

Synthetic, absorbable monofilament suture, violet or undyed

Needle	Needle Name	Size	Curvature	Caliber	Color	Thread Length
HPE	AtraGlide Cutting	11-26 mm	3/8 circle	2-0 a 6-0	Colorless	45-75 cm
P-PE	Supra-Sharp Reverse Cutting	11-36 mm	3/8 circle	2-0 a 6-0	Colorless	45-75 cm
P-QE	Supra-Sharp Reverse Cutting Premium	13-26 mm	3/8 circle	4-0 a 6-0	Colorless	45-75 cm
PE	Premium Reverse Cutting	13-40 mm	3/8 circle	2-0 a 6-0	Violet	45-75 cm

## Atramat® PGC25

Synthetic, absorbable monofilament suture, violet or undyed

Needle	Needle Name	Size	Curvature	Caliber	Color	Thread Length
HPE	AtraGlide Cutting	11-26 mm	3/8 circle	2-0 a 6-0	Colorless	45-70 cm
P-PE	Supra-Sharp Reverse Cuttin	11-26 mm	3/8 circle	2-0 a 6-0	Colorless	45-70 cm
PE	Premium Reverse Cutting	13-26 mm	3/8 circle	2-0 a 6-0	Colorless	45-75 cm
PU	Premium Straight Cutting	60 mm		3-0	Colorless	70 cm
P-QE	Supra-Sharp Reverse Cutting Premium	13-40 mm	3/8 circle	4-0 a 6-0	Colorless	45-75 cm



## Atramat® PGA RAPID

Synthetic, braided multifilament absorbable suture, beige. .

Needle	Needle Name	Size	Curvature	Caliber	Color	Thread Length
P-PE	Supra-Sharp Reverse Cuttin	11-26 mm	3/8 circle	2-0 a 6-0	Colorless	45-75 cm
PE	Premium Reverse Cutting	16-26 mm	3/8 circle	2-0 a 5-0	Colorless	45-75 cm
CE	Reverse Cutting	19-26 mm	3/8 circle	3-0 a 4-0	Colorless	45-75 cm
U	Straight Cutting	60 mm		3-0	Colorless	75 cm
PU	Premium Straight Cutting	60 mm		2-0	Colorless	75 cm

## Atramat® PGA

Synthetic, braided multifilament absorbable suture, violet and beige.

Needle	Needle Name	Size	Curvature	Caliber	Color	Thread Length
P-PE	Supra-Sharp Reverse Cuttin	11-26 mm	3/8 circle	2-0 a 6-0	Colorless	45-75 cm
CE	Reverse Cutting	12-37 mm	3/8 circle	1-6-0	Violet	45-75 cm
C	Reverse Cutting	26-40 mm	1/2 circle	2-0-3-0	Violet	75 cm
U	Straight Cutting	60 mm		2-0-4-0	Colorless	75 cm
PE	Premium Reverse Cutting	11-26 mm	3/8 circle	2-0-6-0	Colorless	45-75 cm

## Atramat® PGLA90

Synthetic, braided multifilament absorbable suture, violet or colourless

Needle	Needle Name	Size	Curvature	Caliber	Color	Thread Length
HPE	AtraGlide Cutting	11-26 mm	3/8 circle	2-0 a 6-0	Colorless	45-75 cm
P-PE	Supra-Sharp Reverse Cuttin	11-26 mm	3/8 circle	2-0 a 6-0	Colorless	45-75 cm
P-QE	Supra-Sharp Conventional Cutting Premium	13-26 mm	3/8 circle	4-0 a 6-0	Colorless	45-75cm
CE	Reverse Cutting	19-26 mm	3/8 circle	2-0 a 3-0	Colorless	45-75 cm

## Atramat® PGLA90 RAPID

Synthetic, braided multifilament absorbable suture, beige.

Needle	Needle Name	Size	Curvature	Caliber	Color	Thread Length
HPE	AtraGlide Cutting	11-24 mm	3/8 circle	2-0 a 6-0	Colorless	45 cm
P-PE	Supra-Sharp Reverse Cuttin	11-24 mm	3/8 circle	2-0 a 6-0	Colorless	45-75cm
P-Q	Supra-Sharp Conventional Cutting Premium	13-26 mm	1/2 circle	3-0 a 4-0	Colorless	45 cm
P-QE	Supra-Sharp Reverse Cutting Premium	13-26 mm	3/8 circle	3-0 a 4-0	Colorless	75 cm
PE	Premium Reverse Cutting	13-26 mm	3/8 circle	3-0 a 6-0	Colorless	45-75 cm

## Atramat® Silk

Non-absorbable braided multifilament suture of natural origin, black, white or blue

Needle	Needle Name	Size	Curvature	Caliber	Color	Thread Length
P-PE	Supra-Sharp Reverse Cuttin	19-24 mm	3/8 circle	2-0 a 4-0	Black	45-75 cm
C	Reverse Cutting	18-26 mm	1/2 circle	2-0 a 4-0	Black	45-75 cm
CE	Reverse Cutting	12-26 mm	3/8 circle	2-0 a 6-0	Black	45-75 cm
U	Straight Cutting	60 mm		2-0 a 3-0	Black	45-75 cm

## Atramat® Polypropylene

Synthetic, non-absorbable monofilament suture, blue.

Needle	Needle Name	Size	Curvature	Caliber	Color	Thread Length
HPE	AtraGlide Cutting	11-26 mm	3/8 circle	2-0 a 6-0	Blue	45-75 cm
P-PE	Supra-Sharp Reverse Cutting	11-26 mm	3/8 circle	2-0 a 6-0	Blue	45-75 cm
P-QE	Supra-Sharp Reverse Cutting Premium	16-26 mm	3/8 circle	3-0 a 6-0	Blue	45-75 cm
CE	Reverse Cutting	12-26 mm	3/8 circle	2-0 a 6-0	Blue	45-75 cm

## Atramat® Nylon

Non absorbable monofilament synthetic suture, black.

Needle	Needle Name	Size	Curvature	Caliber	Color	Thread Length
HPE	AtraGlide Cutting	11-26 mm	3/8 circle	2-0 a 6-0	Black	45-75 cm
P-PE	Supra-Sharp Reverse Cuttin	11-26 mm	3/8 circle	2-0 A 6-0	Black	45-75 cm
P-QE	Supra-Sharp Reverse Cutting Premium	16-26 mm	3/8 circle	4-0 a 6-0	Black	45-75 cm
CE	Reverse Cutting	12-26 mm	3/8 circle	1-0 a 6-0	Black	45-75 cm
C	Reverse Cutting	26-30 mm	1/2 circle	2-0 a 3-0	Black	45-75 cm
NE	Conventional Cutting	16-26 mm	3/8 circle	2-0 a 3-0	Black	45-75 cm
U	Straight Cutting	60 mm		2-0 a 4-0	Black	45-75 cm