



Dental and Maxillofacial Surgery

On the frontline
of technology
and experience

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Atramat
Innovation Through Experience

Dental and Maxillofacial Surgery

Atramat® surgical sutures allow dental and maxillofacial surgeons to obtain the best results for their patients. Our wide portfolio consists of absorbable and non-absorbable sutures, including synthetic materials that reduce the immune response, as well as hemostats and bone wax.

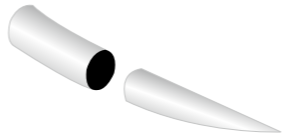
Surgical procedures

- Dental implants
- Dental prostheses
- Maxillary sinus lift
- Periodontal surgery
- Gingival aesthetics
- Gingival graft
- Bone grafts
- Removal of pathological processes
- Apicoectomies
- Third molar surgery
- Frenectomies
- Pediatric dentistry

	Polypropylene	Nylon	Polyester	Silk	PGLA90	PGA	PGLA90 Plus
Dental implants	✓	✓			✓		✓
Dental prostheses	✓	✓			✓		✓
Maxillary sinus lift	✓	✓			✓		✓
Periodontal surgery	✓	✓			✓	✓	✓
Gingival aesthetics	✓	✓			✓	✓	✓
Gingival graft						✓	
Gingival surgery	✓	✓			✓		✓
Mucogingival Surgery						✓	
Bone grafts			✓	✓			
Removal of pathological processes			✓	✓			
Apicoectomies						✓	
Third molar surgery			✓	✓			
Frenectomies			✓	✓			
Pediatric dentistry			✓	✓			

	PGC25	PGC25 Plus	Nylon	Silk	Polyester
Dental implants	✓	✓	✓		
Dental prostheses					
Maxillary sinus lift					
Periodontal surgery			✓		
Gingival aesthetics			✓		
Gingival graft			✓		✓
Gingival Surgery					
Mucogingival Surgery			✓	✓	✓
Bone grafts					
Removal of pathological processes					
Apicoectomies			✓		
Third molar surgery			✓	✓	✓
Frenectomies					
Pediatric dentistry					

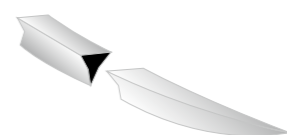
Dental and Maxillofacial Surgery Needles



Taper Point Premium

A taper point needle designed for minimal tissue trauma and to allow easy penetration into soft tissue. The cylindrical body is especially flattened to allow for greater control in the needle holder. Indicated in soft tissue surgery, oral cavity.

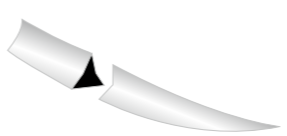
⊙ Point
✳ Cutting pattern



Reverse Cutting Supra-Sharp "P-P"

A cutting needle characterized by its triangular shaped cutting pattern with the cutting edge on outside part of the curved needle body. Tapered vertices provide improved penetration. An excellent alternative in dental and maxillofacial surgery.

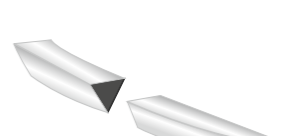
▽ Point
▽ Cutting pattern



Conventional Cutting Supra-Sharp "P-Q"

A cutting needle characterized by its triangular shape with the cutting edge on the inside part of the curved needle body. Tapered vertices provide improved penetration. An excellent alternative in dental and maxillofacial surgery.

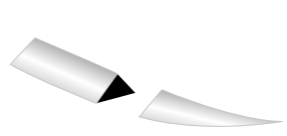
△ Point
▲ Cutting pattern



Reverse Cutting Premium "P"

A cutting needle characterized by its triangular cutting pattern with the cutting edge on the outside part of the curved needle body.

▽ Point
▽ Cutting pattern



Conventional Cutting Premium "Q"

A cutting needle characterized by its triangular cutting pattern with the cutting edge on the inside part of the curved needle body.

△ Point
▲ Cutting pattern



Dental and Maxillofacial Surgery

Absorbable Sutures

Atramat® PGA
Polyglycolic acid

Absorbable

Tensile strength: 70% after two week and 50% after three weeks

Braided

Total absorption 60 - 90 days

Material: composed of Homopolymer filaments of glycolic acid
Coating: Polycaprolactone and calcium stearate
Absorption: Hydrolysis
Thread color: Violet or undyed

Characteristics:

- Minimal inflammatory reaction in tissue.
- Excellent knot safety.
- Superior handling.
- The violet color provides excellent visibility in the surgical field.

Atramat® PGA Rapid
Polyglycolic acid quick absorption

Absorbable

Tensile strength: 50% after one week

Braided

Total absorption 42 days

Material: composed of low molecular weight homopolymer filaments of glycolic acid
Coating: Polycaprolactone and calcium stearate
Absorption: Hydrolysis
Thread color: Undyed

Characteristics:

- Minimal inflammatory reaction in tissue
- Excellent knot safety
- Superior handling

Atramat® PGLA90
Poly(glycolide-co-L-lactide)

Absorbable

Tensile strength: 75% after two weeks

Braided

Total absorption 60 - 80 days

Material: composed of Copolymer of glycolic acid and L-lactide [poly(glycolide-co-L-lactide)]
Coating: Poly(glycolide-co-L-lactide) and calcium stearate
Absorption: Hydrolysis
Thread color: Violet or Beige (undyed)

Characteristics:

- Minimal inflammatory reaction in tissue.
- Excellent knot safety.
- Superior handling.
- The violet color provides excellent visibility in the surgical field.

Atramat® PGLA90 Rapid
Poly(glycolide-co-L-lactide) quick absorption

Absorbable

Tensile strength: 50% after one week

Braided

Total absorption 42 days

Material: composed of Copolymer of glycolic acid and L-lactide [poly(glycolide-co-L-lactide)]
Coating: Poly(glycolide-co-L-lactide) and calcium stearate
Absorption: Hydrolysis
Thread color: Beige (undyed)

Characteristics:

- Minimal inflammatory reaction in tissue
- Excellent knot safety
- Superior handling

Dental and Maxillofacial Surgery

Absorbable Sutures

Atramat® PGC25
Poly(glycolide-co-epsilon-caprolactone)

Absorbable

Tensile strength Violet: 68% after one week and 41% after two week

Violet | Total absorption 110 days

Monofilament

Tensile strength undyed: 79% after one week and 40% after two week

Undyed | Total absorption 90 days

Material: composed of Copolymer of glycolide and caprolactone
[poly(glycolide-co-epsilon-caprolactone)]
Absorption: Hydrolysis
Thread color: Violet or undyed

Characteristics:

- Minimal inflammatory reaction in tissue.
- Excellent knot safety.
- Superior handling.

Sutures with antibacterial coating

Atramat® PGC25 Plus
Poly(glycolide-co-epsilon-caprolactone) Antibacterial Suture

Absorbable

Tensile strength: 70% after one week and 50% after two weeks

Monofilament

Total absorption 110 days

Material: composed of Co-polymer of glycolide and caprolactone
[Poly (glycolide-co-epsilon caprolactone)]
Antibacterial coating: Chlorhexidine diacetate
Absorption: Hydrolysis
Thread color: Violet or undyed

Characteristics:

- Chlorhexidine diacetate is a broad spectrum antibacterial agent that inhibits the growth of bacteria such as Staphylococcus aureus, Staphylococcus epidermidis and Escherichia coli.
- Minimal inflammatory reaction in tissue
- High knot security
- Superior handling
- Violet color provides excellent visibility in the surgical field.

Atramat® PGLA90 PLUS
Poly(glycolide-co-L-lactide) Coated Antibacterial Suture

Absorbable

Tensile strength: 75% after two weeks and 46% after three weeks

Braided

Total absorption 56 - 70 days

Material: composed of Copolymer of glycolic acid and lactide [Poly (glycolide-co-lactide)]
Antibacterial coating: Chlorhexidine diacetate
Coating: Poly (glycolide-co-lactide) and calcium stearate
Absorption: Hydrolysis
Thread color: Violet or beige (undyed)

Characteristics:

- Chlorhexidine diacetate is a broad spectrum antibacterial agent that inhibits the growth of bacteria such as Staphylococcus aureus, Staphylococcus epidermidis and Escherichia coli.
- Minimal inflammatory reaction in tissue
- High knot security
- Superior handling
- Violet color provides excellent visibility in the surgical field.

Non Absorbable Sutures

Atramat® Silk

Non-absorbable

Braided

Material: Fibroin (organic protein derived from the bombyx mori silkworm)
Coating: Silicone
Thread color: Blue, black, white

Characteristics:

- State-of-the-art manufacturing process ensures compact braiding and high tensile strength.
- Superior handling.
- Excellent knot security.

Dental and Maxillofacial Surgery

Non Absorbable Sutures

Atramat® Nylon

Non-absorbable
Monofilament

Material: 6 or 6.6 aliphatic polyamide
Gradual loss of tensile strength over time
Thread color: Blue, black

Characteristics:

- Minimal tissue reaction, excellent quality raw material.
- The thread passes smoothly through tissue with minimal tissue drag.
- The monofilament design means stitches can be removed easily without dragging microorganisms.

Atramat® Polyester

Non-absorbable
Braided

Material: Polyester fibers prepared from terephthalic acid or its esters and ethylene glycol
Coating: Silicone, Teflon
Thread color: White, green

Characteristics:

- Ideal as a permanent support without loss of tensile strength.
- Excellent knot coupling knot security.
- Biocompatibility, softness, and minimal tissue drag.

Atramat® Polypropylene

Non-absorbable
Monofilament

Material: Isotactic stereoisomer of polypropylene homopolymer.
Thread color: Blue

Characteristics:

- Minimal tissue reaction
- Computer controlled extrusion technology ensures a uniform diameter that provides smooth passage through tissue, minimizing tissue drag.
- Ideal as a permanent support without loss of tensile strength.
- Biocompatibility, softness, plastic deformation.
- Excellent knot coupling and knot security.
- Resistant to reaction with infected tissue which means it can be used on contaminated or infected wounds.

Dental and Maxillofacial Surgery

Needle-thread combinations

Material	Type	Needle		Gauge	Thread	
		Length mm	Curvature		Color	Length cm
PGC25	Reverse Cutting Premium	13 - 24 mm	3/8	5-0 to 2-0	Undyed Violet	45-70
PGLA90	Reverse Cutting Premium	13 - 24 mm	3/8	5-0 to 3-0	Beige (Undyed) Violet	45
PGLA90 Rapid	Reverse Cutting Premium	13 - 24 mm	3/8	4-0 to 3-0	Beige (Undyed)	45-75
PGA	Reverse Cutting Premium	11 - 24 mm	3/8	5-0 to 2-0	Undyed Violet	45-75
PGA Rapid	Reverse Cutting Premium	16 - 24 mm	3/8	4-0 to 3-0	Undyed	45-75
PGLA90 Plus	Reverse Cutting Premium	11 - 48 mm	3/8, 1/2	5-0 to 2	Undyed Violet	70-90
PGC25 Plus	Reverse Cutting Premium	13 - 40 mm	3/8, 1/2	6-0 to 1	Undyed	70-90
Polypropylene	Reverse Cutting Premium	13 - 24 mm	3/8	6-0 to 3-0	Blue	45
Polyester	Reverse Cutting Premium	19 - 24 mm	3/8	4-0 to 3-0	Green	75
Silk	Reverse Cutting Premium	11 - 24 mm	3/8, 1/2	5-0 to 2-0	Black	45-75
Nylon	Reverse Cutting Premium	11 - 24 mm	3/8	5-0 to 2-0	Black	45

Needle-thread combinations


Material	Type	Needle		Gauge	Thread	
		Length mm	Curvature		Color	Length cm
Silk	Regular Taper Point Premium	17 - 26 mm	1/2	4-0 to 0	Black	75
Polyester	Regular Taper Point Premium	17 - 26 mm	1/2	4-0 to 0	Green	75
PGA	Regular Taper Point Premium	17 - 26 mm	1/2	5-0 to 2-0	Violet Undyed	75
PGA Rapid	Regular Taper Point Premium	17 - 26 mm	1/2	5-0 to 2-0	Undyed	75
PGLA90	Regular Taper Point Premium	17 - 26 mm	1/2	5-0 to 2-0	Violet Beige (Undyed)	75
PGLA90 Rapid	Regular Taper Point Premium	17 - 26 mm	1/2	5-0 to 2-0	Beige (Undyed)	75
PGLA90 Plus	Regular Taper Point Premium	13 - 36 mm	1/2	5-0 to 1	Violet Undyed	70-90
PGC25 Plus	Regular Taper Point Premium	17 - 30 mm	1/2	5-0 to 2-0	Violet Undyed	70

Material	Type	Needle		Gauge	Thread	
		Length mm	Curvature		Color	Length cm
PGC25	Reverse Cutting Supra Sharp	11 - 24 mm	3/8	5-0 to 2-0	Undyed Violet	45-70
PGLA90	Reverse Cutting Supra Sharp	11 - 24 mm	3/8	5-0 to 2-0	Beige (Undyed) Violet	45
PGLA90 Rapid	Reverse Cutting Supra Sharp	11 - 24 mm	3/8	5-0 to 3-0	Beige (Undyed)	45-75
PGA	Reverse Cutting Supra Sharp	11 - 24 mm	3/8	5-0 to 2-0	Undyed Violet	45
PGA Rapid	Reverse Cutting Supra Sharp	11 - 24 mm	3/8	5-0 to 3-0	Undyed	45-75
PGLA90 Plus	Reverse Cutting Supra Sharp	11 - 24 mm	3/8	5-0 to 2-0	Undyed Violet	45
PGC25 Plus	Reverse Cutting Supra Sharp	11 - 26 mm	3/8	6-0 to 2-0	Undyed	45-70
Polypropylene	Reverse Cutting Supra Sharp	11 - 24 mm	3/8	6-0 to 2-0	Blue	45
Polyester	Reverse Cutting Supra Sharp	19 - 24 mm	3/8	4-0 to 3-0	Green	75
Silk	Reverse Cutting Supra Sharp	11 - 24 mm	1/2, 3/8	5-0 to 2-0	Black	45-75
Nylon	Reverse Cutting Supra Sharp	11 - 24 mm	3/8	5-0 to 2-0	Black	45

Dental and Maxillofacial Surgery

Needle-thread combinations

Material	Needle			Thread		
	Type	Length mm	Curvature	Gauge	Color	Length cm
PGC25	Conventional Cutting Supra Sharp	11 - 24 mm	3/8	5-0 to 2-0	Undyed Violet	45-70
PGLA90	Conventional Cutting Supra Sharp	13 - 24 mm	3/8	5-0 to 2-0	Beige (Undyed) Violet	45
PGLA90 Rapid	Conventional Cutting Supra Sharp	16 - 24 mm	1/2, 3/8	5-0 to 3-0	Beige (Undyed)	45-75
PGA	Conventional Cutting Supra Sharp	13 - 24 mm	3/8	5-0 to 2-0	Undyed Violet	45
PGA Rapid	Conventional Cutting Supra Sharp	16 - 24 mm	1/2, 3/8	4-0 to 3-0	Undyed	45-75
PGLA90 Plus	Conventional Cutting Supra Sharp	16 - 36 mm	3/8	5-0 to 2-0	Undyed Violet	45-70
PGC25 Plus	Conventional Cutting Supra Sharp	13 - 19 mm	3/8	5-0 to 4-0	Undyed	45
Polypropylene	Conventional Cutting Supra Sharp	16 - 19 mm	3/8	6-0 to 3-0	Blue	45
Polyester	Conventional Cutting Supra Sharp	19 - 24 mm	3/8	4-0 to 3-0	Green	75
Silk	Conventional Cutting Supra Sharp	11 - 24 mm	1/2, 3/8	5-0 to 2-0	Black	45-75
Nylon	Conventional Cutting Supra Sharp	16 - 19 mm	3/8	5-0 to 2-0	Black	45



Bone wax

- ✔ Used to control bleeding of bone surfaces.
- ✔ Acts by physically blocking the bone channels.
- ✔ Smooth and easy to apply.
- ✔ Softened using an aseptic technique until the desired consistency is achieved.

Code	CH-2.5 CH-2.5
Description	Bone wax
Pieces	12

Code	Description	Size	Pieces	Curaspon® Absorbable Gelatin Sponge Hemostat
CS-010	Curaspon® Standard	8 x5 x1cm	20	<ul style="list-style-type: none"> • It absorbs 35 times its weight and is easy to apply. • Fast and complete absorption. • It can be cut and does not adhere to instruments or gloves. <p>Hemostasis in 2 - 4 minutes. It can be applied dry or mixed with saline solution. By placing Curaspon® against the bleeding area it attaches to the tissue surface and controls bleeding.</p>
CS-310	Curaspon® Cube	1x1x1cm	50	
CS-330	Curaspon® Dental-60	1x1x1cm	60	

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