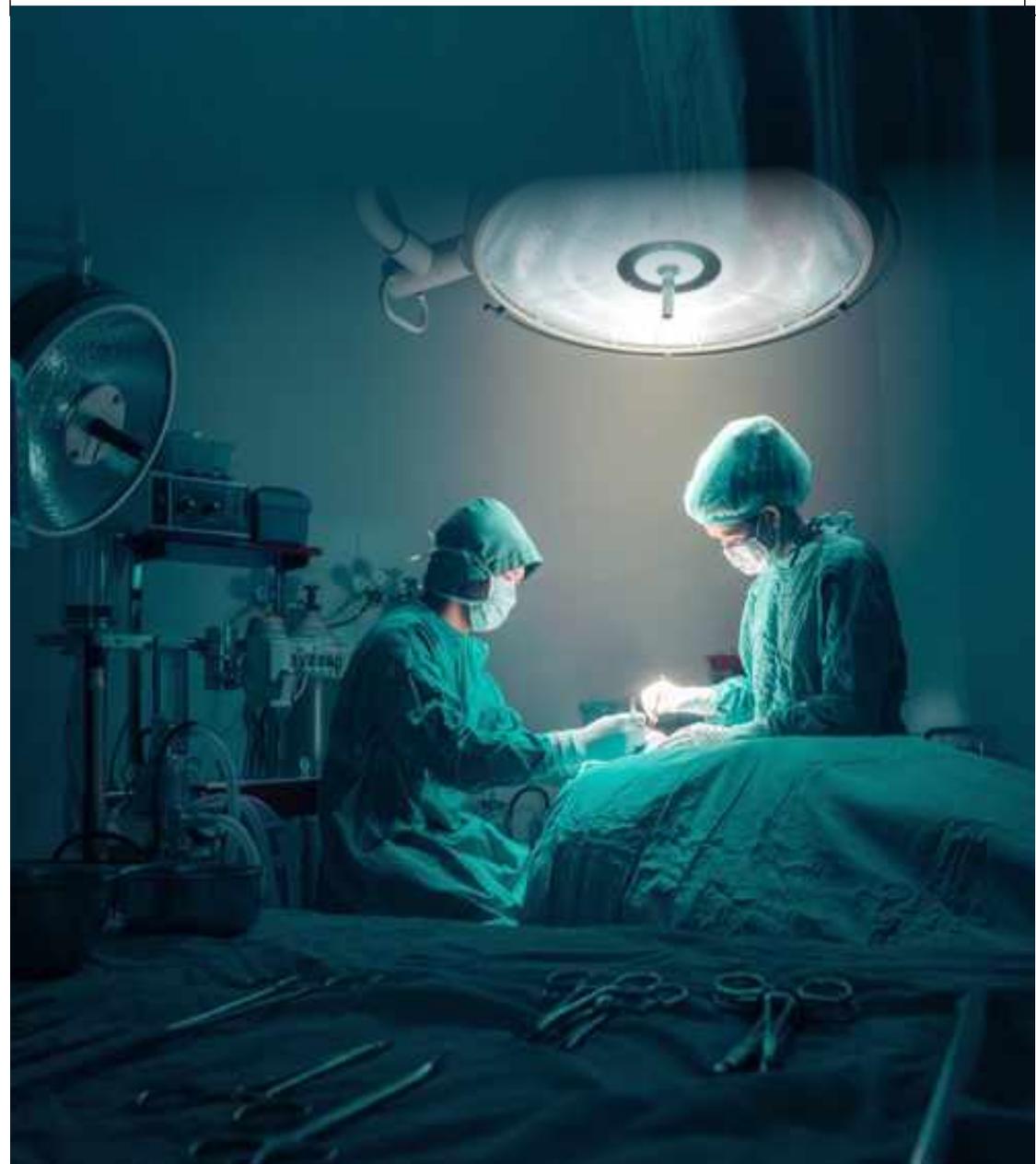


Where every suture is a seal of confidence



Advanced Architecture for Surgery



Advanced MedTech Solutions Pvt. Ltd.

Ceejay House, 305, Level 3, Shiv Sagar Estate, Dr. Annie Besant Road, Worli, Mumbai 400018. India.
T : (91)22-24946100 / 01 | F : (91)22-24946102 | W: www.amsltd.com | E : info@amsltd.com

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advancing the way we care



Orthopaedic Surgery

Knee Replacement



Knee replacement, also called arthroplasty, is a surgical procedure to resurface a knee damaged by arthritis. Metal and plastic components are used to cap the ends of the bones that form the knee joint, along with the kneecap. This surgery may be considered for someone who has severe arthritis or a severe knee injury.

Layer	Suture Material	Suture Size	Needle Tip	Needle Curvature	Code
Quadriceps Tendon	ADVACRYL	1	RC / RB	1/2 Circle	ADVA2421 / ADVA2347
	ADVACRYL	2	RC	1/2 Circle	ADVA2478
Subcutaneous Tissue	ADVACRYL	0	RB / RC	1/2 Circle	ADVA2346 / ADVA2534
	ADVACRYL	2-0	RB / RC	1/2 Circle	ADVA2345 / ADVA2382
Skin	ADVALON	2-0, 3-0	RC	3/8 Circle	ADVA3336 / ADVA3328
	ADVAMRYL	3-0	RC / CT	3/8 Circle	ADVA3326 / ADVA1326

Hip Replacement



Hip replacement surgery is a procedure in which an orthopedician surgically removes a painful hip joint with arthritis and replaces it with an artificial joint often made from metal and plastic components. It is usually done when all other treatment options have failed to provide adequate pain relief.

Layer	Suture Material	Suture Size	Needle Tip	Needle Curvature	Code
Joint Capsule	ADVACRYL	1	RC / RB	1/2 Circle	ADVA2421 / ADVA2347
	ADVACRYL	2	RC	1/2 Circle	ADVA2478
Tensor Fascia Latae	ADVACRYL	1	RC / RB	1/2 Circle	ADVA2421 / ADVA2347
	ADVACRYL	2	RC	1/2 Circle	ADVA2478
Subcutaneous Tissue & Muscle	ADVACRYL	0	RB / RC	1/2 Circle	ADVA2346 / ADVA2534
	ADVACRYL	2-0	RB / RC	1/2 Circle	ADVA2345 / ADVA2382
Skin	ADVALON	2-0, 3-0	RC	3/8 Circle	ADVA3336 / ADVA3328
	ADVAMRYL	3-0	RC	3/8 Circle	ADVA3326

Shoulder Replacement



In shoulder replacement surgery, orthopedicians replace the ends of the damaged upper arm bone (humerus) and usually the shoulder bone (scapula) or cap them with artificial surfaces lined with plastic or metal and plastic.

Layer	Suture Material	Suture Size	Needle Tip	Needle Curvature	Code
Deltoid Muscle	ADVACRYL	1	RC / RB	1/2 Circle	ADVA2421 / ADVA2347
Subcutaneous Tissue	ADVACRYL	0	RB / RC	1/2 Circle	ADVA2346 / ADVA2534
	ADVACRYL	2-0	RB / RC	1/2 Circle	ADVA2345 / ADVA2382
Skin	ADVALON	2-0, 3-0	RC	3/8 Circle	ADVA3336 / ADVA3328
	ADVAMRYL	2-0	RC	3/8 Circle	ADVA3326M



Gynecological Surgery

Episiorrhaphy



An episiorrhaphy is a surgical repair of injury to the vulva (or incision made through the perineum to enlarge the vagina for the baby to pass through during episiotomy) by suturing it.

Layer	Suture Material	Suture Size	Needle Tip	Needle Curvature	Code
Muscle	ADVACRYL	1, 0	RB	1/2 Circle	ADVA2347 / ADVA2346
Vaginal Mucosa	ADVACRYL	1, 0	RB	1/2 Circle	ADVA2347 / ADVA2346
	ADVACAT	2-0, 0	RB	1/2 Circle	ADVA4241 / ADVA4242 / ADVA4246
Skin	ADVAMRYL	3-0	RC	3/8 Circle	ADVA3326M
	ADVALON	2-0, 3-0	RC	3/8 Circle	ADVA3336 / ADVA3328

C- Section



Caesarean section, also commonly known as C- section is a surgical procedure in which incision is made through a woman's abdomen to deliver one or more babies. A Caesarean section is often performed when a vaginal delivery would put the baby's or mother's life or health at risk.

Layer	Suture Material	Suture Size	Needle Tip	Needle Curvature	Code
Uterus	ADVACRYL	1	RB	1/2 Circle	ADVA2347
Muscle/ SC Fat	ADVACRYL	1, 0	RB	1/2 Circle	ADVA2347 / ADVA2346
Rectus Sheath	ADVALENE	1	RC	1/2 Circle	ADVA883
Skin	ADVAMRYL	3-0	RC	3/8 Circle	ADVA3326M

Hysterectomy



Hysterectomy is surgery to remove the uterus. Removing the uterus means that the woman can no longer become pregnant.

Layer	Suture Material	Suture Size	Needle Tip	Needle Curvature	Code
Wall Closure	ADVACRYL	1	RB	1/2 Circle	ADVA2347
Muscle/ SC Fat	ADVACRYL	1, 0	RB	1/2 Circle	ADVA2347 / ADVA2346
Skin	ADVAMRYL	3-0	RC	3/8 Circle	ADVA3326M

General & Gastro Surgery

Appendectomy



An appendectomy is the surgical removal of the appendix. It's a common emergency surgery that's performed to treat appendicitis, an inflammatory condition of the appendix. The appendix is a small, tube-shaped pouch attached to your large intestine. It's located in the lower right side of your abdomen.

Layer	Suture Material	Suture Size	Needle Tip	Needle Curvature	Code
Appendix Defect Closure	ADVACRYL	2-0	RB	1/2 Circle	ADVA2317
Muscle & Aponeurosis	ADVACRYL	0, 2-0	RB	1/2 Circle	ADVA2346 / ADVA2317
Subcutaneous Fat	ADVACRYL	1, 2-0	RB	1/2 Circle	ADVA2347 / ADVA2317
Skin	ADVALON	2-0, 3-0	RC	3/8 Circle	ADVA3336, ADVA3328
	ADVAMRYL	3-0	RC	3/8 Circle	ADVA3326M

Laparotomy



A Laparotomy is a surgical procedure involving a large incision through the abdominal wall to gain access into the abdominal cavity.

Layer	Suture Material	Suture Size	Needle Tip	Needle Curvature	Code
Peritoneum	ADVACRYL	2-0, 3-0	RB	1/2 Circle	ADVA2317 / ADVA2437
Muscle & Fascia Closure	ADVACRYL	1, 2-0	RB	1/2 Circle	ADVA2347 / ADVA2317
	ADVAPD	1, 0	RB	1/2 Circle	ADVA9352 / ADVA9371
Subcutaneous Fat	ADVACRYL	1, 2-0	RB	1/2 Circle	ADVA2347 / ADVA2317
Skin	ADVALON	2-0, 3-0	RC	3/8 Circle	ADVA3336, ADVA3328
	ADVAMRYL	3-0	RC	3/8 Circle	ADVA3326M

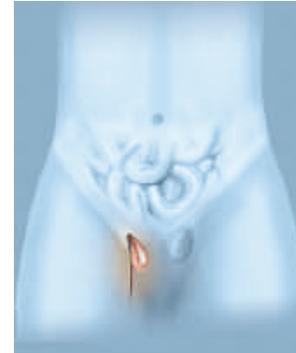
Laparoscopic cholecystectomy



Laparoscopic cholecystectomy, commonly referred to as lap chole, involves the removal of the gallbladder through a laparoscopic approach. The gallbladder normally stores bile produced in the liver until it is needed for digestion. Unfortunately, the gallbladder often forms gallstones.

Layer	Suture Material	Suture Size	Needle Tip	Needle Curvature	Code
Closure of Port Defect	ADVACRYL	1	RC	1/2 Circle	ADVA2826E
		1	RC	1/2 Circle	ADVA2826
Ligating Cystic Artery	ADVASYL	3-0, 2-0	NA	NA	ADVA212 / ADVA213
Ligating Cystic Duct	ADVASYL	3-0, 2-0	NA	NA	ADVA212 / ADVA213
Falciform Ligament Closure	ADVACRYL	3-0	RB	1/2 Circle	ADVA2437

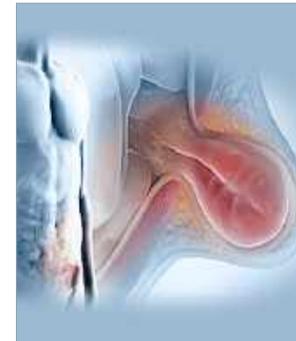
Hernia Repair



A hernia occurs when part of an organ (usually the intestines) protrudes through a weak point or tear in the thin muscular wall that holds the abdominal organs in place.

Layer	Suture Material	Suture Size	Needle Tip	Needle Curvature	Code
Tension Suturing/ Matrix Suture	ADVALENE	1, 0	RB	1/2 Circle	ADVA840, ADVA830
Mesh fixation	ADVALENE	1, 0	RB	1/2 Circle	ADVA840, ADVA830
Muscle closure	ADVACRYL	2-0	RB	1/2 Circle	ADVA2317
Subcutaneous Fat	ADVACRYL	2-0	RB	1/2 Circle	ADVA2317
Skin	ADVALON	2-0, 3-0	RC	3/8 Circle	ADVA3336, ADVA3328
	ADVAMRYL	3-0	RC	3/8 Circle	ADVA3326M

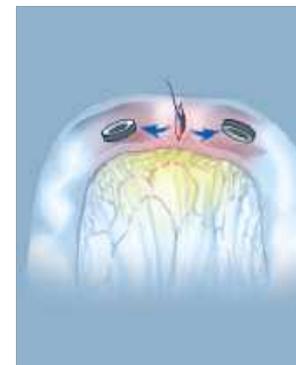
Inguinal Hernia



An inguinal hernia happens when contents of the abdomen - usually fat or part of the small intestine - bulge through a weak area in the lower abdominal wall.

Layer	Suture Material	Suture Size	Needle Tip	Needle Curvature	Code
Defect Closure	ADVALENE	2-0	RB	1/2 Circle	ADVA844, ADVA825
Mesh fixation	ADVALENE	2-0, 3-0	RB	1/2 Circle	ADVA3336, ADVA3328
Aponeurosis	ADVACRYL	2-0	RB	1/2 Circle	ADVA2317
Subcutaneous Fat	ADVACRYL	2-0	RB	1/2 Circle	ADVA2317
Skin	ADVALON	2-0, 3-0	RC	3/8 Circle	ADVA3336, ADVA3328
	ADVAMRYL	3-0	RC	3/8 Circle	ADVA3326M

Bowel Anastomosis



Is a surgical procedure involves joining the two ends of the bowel which have been excised to remove the diseased or obstructed segment.

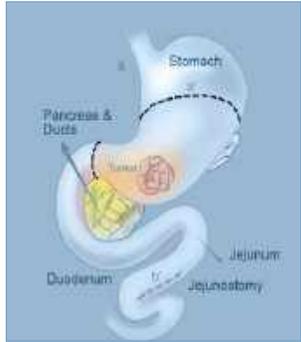
Layer	Suture Material	Suture Size	Needle Tip	Needle Curvature	Code
Mesentery	ADVACRYL	2-0, 3-0	RB	1/2 Circle	ADVA2317 / ADVA2437
Bowel	ADVACRYL	2-0, 3-0	RB	1/2 Circle	ADVA2317 / ADVA2437
Anastomosis	ADVASYL	2-0, 3-0	RB	1/2 Circle	ADVA5331 / ADVA5085
Muscle	ADVACRYL	2-0	RB	1/2 Circle	ADVA2317
Subcutaneous Fat	ADVACRYL	2-0	RB	1/2 Circle	ADVA2317
Skin	ADVALON	2-0, 3-0	RC	3/8 Circle	ADVA3336, ADVA3328
	ADVAMRYL	3-0	RC	3/8 Circle	ADVA3326M



Gastro Surgery

Gastrectomy

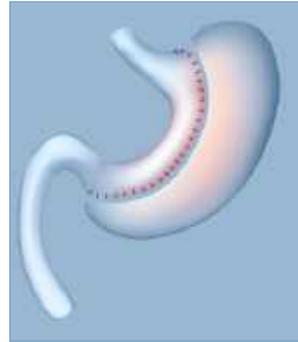
Is the surgical removal of all or part of the stomach



A partial gastrectomy is the removal of a part of the stomach. It's usually the lower half that's removed.

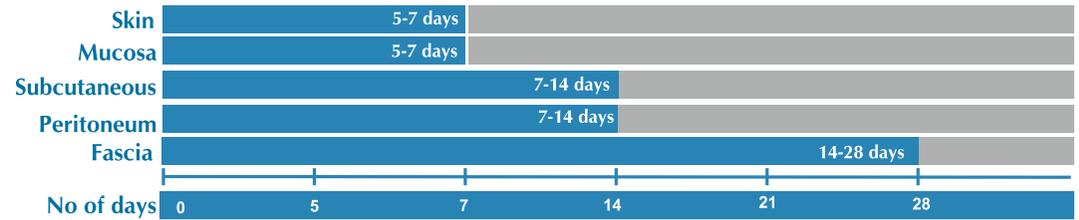
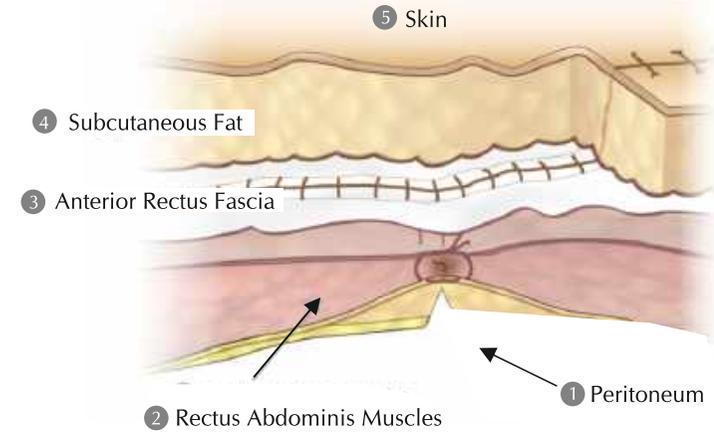


A total gastrectomy is the removal of the entire stomach.



A sleeve gastrectomy is the removal of greater curvature (left side) of the stomach. This is usually a step in Baraitric surgery to achieve weight loss.

The Suture Choice is Dependent Upon Critical Wound Healing Period of the Tissue



Critical Wound Healing Time Period

Product Categories

Layer	Suture Material	Suture Size	Needle Tip	Needle Curvature	Code
Subcutaneous Fat	ADVACRYL	2-0	RB	1/2 Circle	ADVA2317
Ligation of Blood vessels of Stomach	ADVASYL	3-0	RB	1/2 Circle	ADVA212
Muscle	ADVACRYL	2-0	RB	1/2 Circle	ADVA2317
Anastomosis of Stomach with Duodenum	ADVACRYL	2-0, 3-0	RB	1/2 Circle	ADVA2317 / ADVA2437
	ADVASYL	2-0, 3-0	RB	1/2 Circle	ADVA5331 / ADVA5085
Skin	ADVALON	2-0, 3-0	RC	3/8 Circle	ADVA3336 / ADVA3328
	ADVAMRYL	3-0	RC	3/8 Circle	ADVA3326M

	ADVACRYL	ADVAMRYL	ADVAPD	ADVACAT	ADVALENE	ADVALON	ADVASYL
Composition	90% Glycolide, 10% L-lactide Braided Coated Synthetic Absorbable Surgical Suture	Polyglactone 25 Monofilament Synthetic Absorbable Surgical Suture	Polydioxanone Monofilament Synthetic Absorbable Surgical Suture	Collagen from Submucosal layer, Natural Absorbable Surgical Suture	Polypropylene Monofilament Synthetic Non-Absorbable Surgical Suture	Polyamide / Nylon Monofilament Synthetic Non-Absorbable Surgical Suture	Proteinaceous Silk Fibers called Fibroin, Braided Natural Non-Absorbable Surgical Suture
Tensile Strength (in days)	70% - 14 days 40% - 21 days	50% - 7 days 20% - 14 days	85% - 14 days 75% - 28 days 65% - 42 days	Plain 10 to 12 days Chromic 21 to 25 days	Permanent	Gradual loss in tensile strength over a period of time. Gradual encapsulation of suture by fibrous connective tissue	Gradual loss in tensile strength over a period of time. Gradual encapsulation of suture by fibrous connective tissue
Mass Absorption* (in days)	80	90-120	180-240	90-100	Non-Absorbable	Non-Absorbable	Non-Absorbable
Sizes	U.S.P. Size 2 to 5-0	Size 0 to 5-0	Size 1 to 5-0	U.S.P Size 2 to 3-0	U.S.P Size 1 to 5-0	U.S.P Size 1 to 5-0	U.S.P Size 2 to 4-0
Colour	Undyed and Violet	Undyed and Violet	Violet	Yellow, Biege	Blue	Black	Black
Needle Availability	Round Body, Taper Cut, Cutting and Reverse Cutting needles	Round Body, Cutting and Reverse Cutting needles	Round Body and Reverse Cutting needles	Round Body, Taper Cut, Cutting needles and Pre-cut sutures	Round Body, Taper Cut, Cutting and Reverse Cutting needles	Round Body, Cutting and Reverse Cutting needles	Round Body, Taper Cut, Cutting, Reverse Cutting needles and Pre-cut sutures

*Mass Absorption: Time in days required for suture to be totally absorbed by the body.