

## Suture Size, Type, and Removal

Location	Suture Size	Suture Type	Suture Removal
Scalp	4-0 to 5-0	Nylon, Prolene if dark hair	7 days
Face	5-0 to 6-0	Nylon, consider 6-0 fast absorbing plain gut to avoid needing suture removal	3-5 days (gut absorbable)
Chest / abdomen	4-0	Nylon	7 - 10 days
Back	4-0	Nylon	12 - 14 days
Upper extremities, hand	4-0 to 5-0	Nylon	8 - 10 days
Lower extremities	3-0 to 4-0	Nylon	8 - 12 days
Foot	3-0 to 4-0	Nylon	10 - 12 days
Joint, extensor surface	3-0 to 4-0	Nylon	10 - 14 days
Mucous membrane	4-0 to 5-0	Vicryl rapide	Absorbable, no removal
Tongue	3-0 to 4-0	Chromic gut	Absorbable, no removal
Nailbed	5-0 to 6-0	Chromic gut (or Dermabond)	Absorbable, no removal

## Local Anesthetics

Local anesthetic	Adult max dose	Pediatric max dose	Mg/mL
Lidocaine 1%	300 mg	4 mg/kg	10 mg/mL
Lidocaine 1% with epinephrine	500 mg	7 mg/kg	10 mg/mL
Bupivacaine 0.25%	175 mg	1.5 mg/kg	2.5 mg/mL
Bupivacaine 0.25% with epinephrine	225 mg	3 mg/kg	2.5 mg/mL

## Suture Types - Properties

Suture Type	Tensile strength	Reactivity	Filament	Use
Nylon	Maintained 21 days	minimal	mono	Skin closure
Prolene (blue)	Maintained prolonged	least	mono	Skin closure
Plain Gut	50% by 3-5 days	moderate	mono	Consider for face lacs, lip lacs
Chromic Gut	50% by 7-10 days	moderate	mono	Tongue, nailbed
Vicryl	50% by 3 weeks, absorbed in 3 mos	minimal	braided	Deep sutures
Vicryl rapide	50% by 5 days, absorbed in 1.5 mos	minimal	braided	Mucous membranes
Silk	Maintained 1 year	high	braided	Secure chest tubes, drains

AliEM.com PV card

<https://www.dropbox.com/s/hib150xjnkIk92v/Laceration%20Repair%20and%20Sutures.pdf?dl=0>