



# Laceration Guideline

Last Revision 2/2026

Only Simple Lacerations **< 2.5 cm** & unlikely to need IV sedation should be roomed in **V24-V33**



## Triage RN:

- Neurovascular assessment
- Assess pain & provide analgesia as needed
- Apply LET (See QR code for application instructions)
- Consider imaging if concern for fracture and/or retained foreign body
- Remind pt to remain NPO until assessed by provider
- Consider child life consult
- Review vertical model criteria & determine room dispo



L.E.T Gel Application Instructional Video

## Provider:

Does this need subspecialist repair and/or IV sedation?

### Analgesia, Local Anesthesia, & Anxiolysis Options:

#### Analgesia:

- PO Ibuprofen
- PO Acetaminophen
- PO Oxycodone
- IN Fentanyl

#### Local Anesthesia:

- LET Gel
- Local Lidocaine

#### Anxiolysis:

- IN or PO midazolam (Versed)
- Nitrous Oxide

Consult Subspecialist & Determine Analgesia & Sedation Choices

Irrigate & Repair Laceration

Consider Antibiotics, Rabies, Tetanus

Discharge with wound care discharge instructions



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## ANALGESIA

Medication	Route	Dose	Max	Useful Information
<b>Acetaminophen</b>	PO	15 mg/kg/dose	1000 mg	Onset: 30-60 mins Duration: 4-6 hrs
<b>Ibuprofen</b>	PO	10 mg/kg/dose	600 mg	Onset: 30-60 mins Duration: 4-6 hrs *Avoid in <6 months old
<b>Oxycodone</b>	PO	0.15 mg/kg/dose	< 6 yrs: 2.5 mg 6-12 yrs: 5 mg > 12 yrs: 10 mg	Onset: 15 mins Duration: 3-6 hrs
<b>Fentanyl</b>	IN	1.5 mcg/kg/dose	100 mcg	Onset: 5-10 mins Duration: 1 hr

## LOCAL ANESTHESIA

Medication	Route	Dose	Max	Useful Information
<b>LET GEL</b> Lidocaine 4% Epinephrine 0.1% Tetracaine 0.5%	Topical	0.125 mL/kg	3-12 mo: 3 mL ≥12 mo: 5 mL	Onset: 20 mins Duration: 60 mins after removal of gel  *Contraindicated if severe heart block, methemoglobinemia, or allergy to local anesthetics
<b>Lidocaine 1% (10 mg/mL)</b>	Intradermal	0.5 mL/kg	5 mg/kg MAX: 30 mL (300 mg)	Onset: < 2 mins Duration: 30-120 mins
<b>Lidocaine 1% (10 mg/mL) WITH EPINEPHRINE</b>	Intradermal	0.7 mL/kg	7 mg/kg Max: 50 mL (500mg)	Onset: < 2 mins Duration: ≥ 2 hrs



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## ANXIOLYSIS

Medication	Route	Dose	Max	Useful Information
<b>Midazolam (versed)</b>	PO	0.5 mg/kg *Doses up to 1 mg/kg may be required for those less cooperative or < 20 kg	20mg	Onset: 10-20 mins Duration: Variable, usual peak by 1 hour
<b>Midazolam (versed)</b>	IN	0.4 mg/kg	10mg	Onset: < 10 mins Duration: 20 mins



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## Tetanus

- A **primary series** consists of a minimum of 3 doses of tetanus & diphtheria containing vaccine:
  - DTaP, DTP, Tdap, DT or Td
- **Age appropriate vaccines** are as follows:
  - 6 wks - 6 yrs: DTaP
  - 7 years and older: Tdap
- If pertussis component is contraindicated, can give DT
- If < 6 wks:
  - CLEAN/MINOR wounds no vaccine or TIG
  - CONTAMINATED/MAJOR wounds TIG without vaccine
- The **dose of TIG** is 250 units IM for all ages
- Patients who are **HIV positive** should receive TIG regardless of tetanus immunization history



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## CLEAN/MINOR WOUNDS

SITUATION	DETERMINATION
Has not received complete primary tetanus-diphtheria series or unknown	Provide vaccine
Has received complete primary tetanus-diphtheria series but last dose $\geq 10$ yrs ago	Provide vaccine
Has received complete primary tetanus-diphtheria series and last dose $< 10$ yrs ago	Vaccine not required

## CONTAMINATED/MAJOR WOUNDS

SITUATION	DETERMINATION
Has not received complete primary tetanus-diphtheria series or unknown	Provide vaccine AND TIG
Has received complete primary tetanus-diphtheria series but last dose $\geq 5$ yrs ago	Provide vaccine
Has received complete primary tetanus-diphtheria series and last dose $< 5$ yrs ago	Vaccine not required



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## References

1. Guide to Tetanus Prophylaxis in Routine Wound Management
2. Lexicomp Online, Pediatric and Neonatal Lexi-Drugs Online