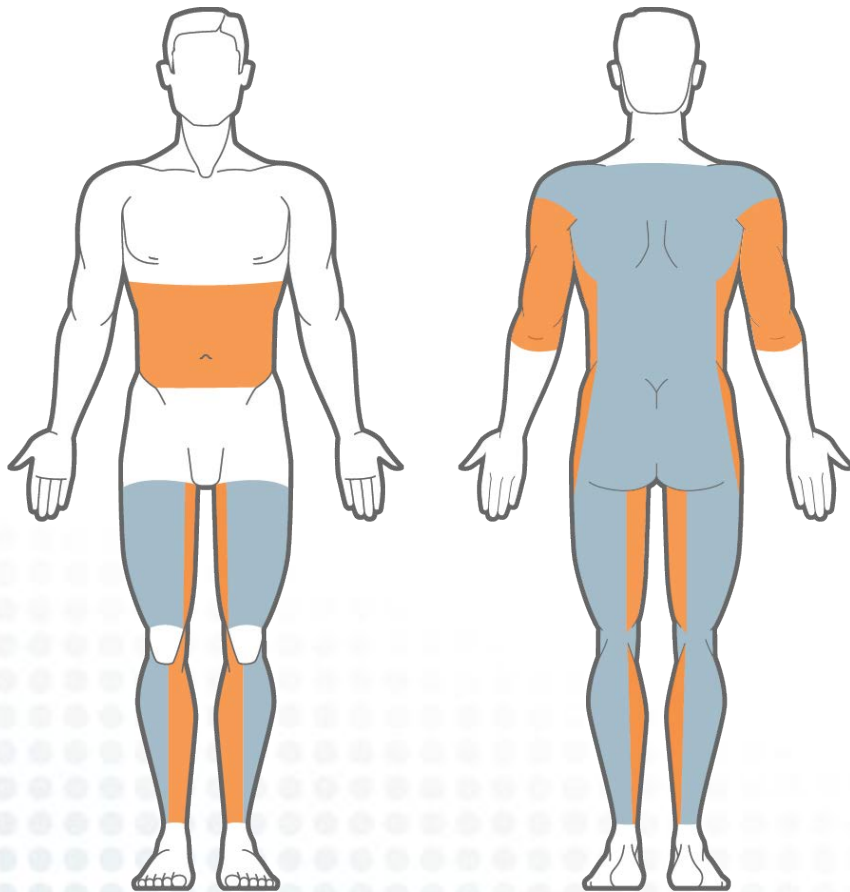


amalgatome | MD

Mapping the Donor for Skin Recovery



Mapping the Skin Donor

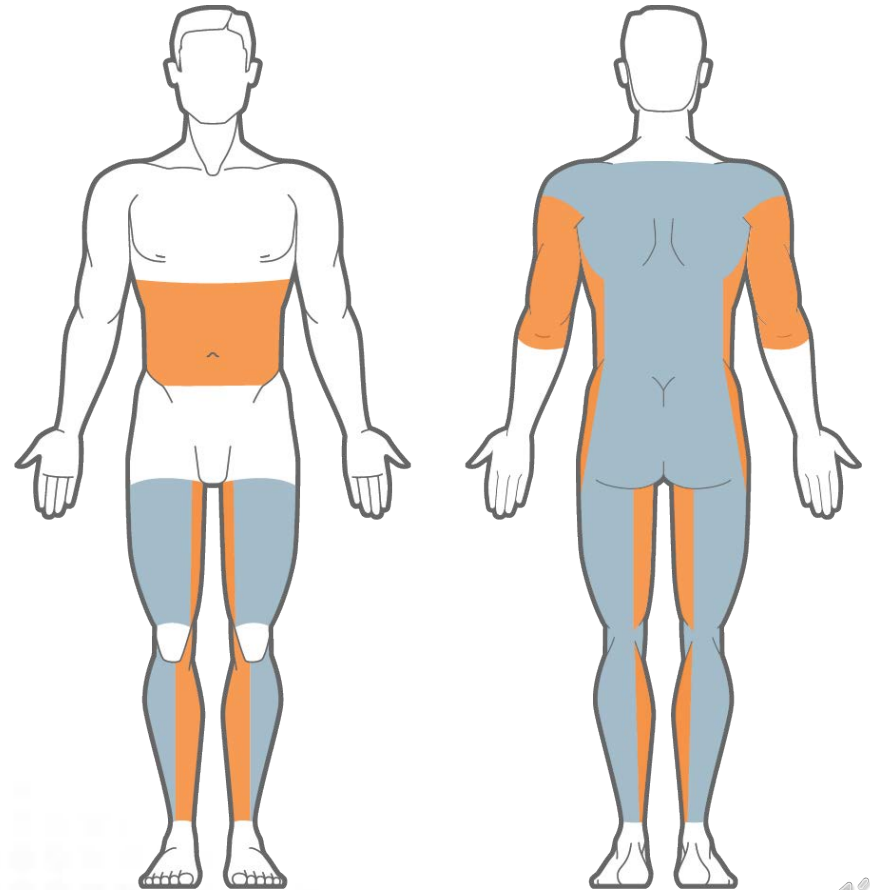


It is a best practice to take a moment at the start of the procedure to plan your recovery to maximize the gift of skin donation.

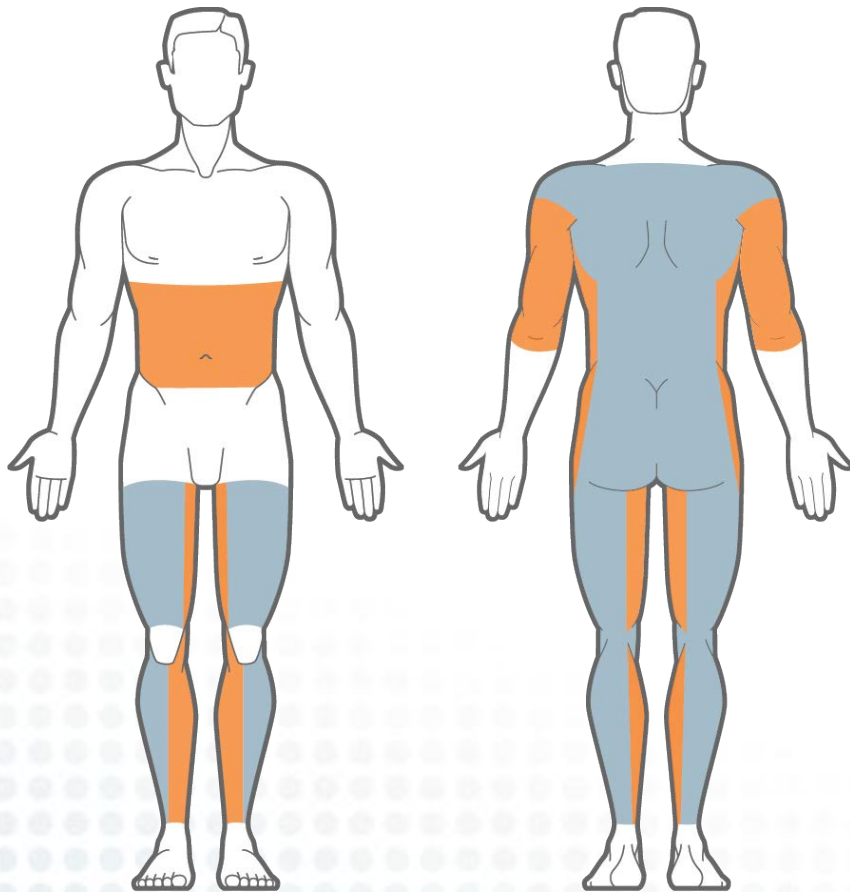



Mapping the Skin Donor


- The areas shaded in blue are the common skin recovery sites.
- The areas shaded in orange are the potential additional recovery sites with the Amalgatome MD.



Mapping the Skin Donor

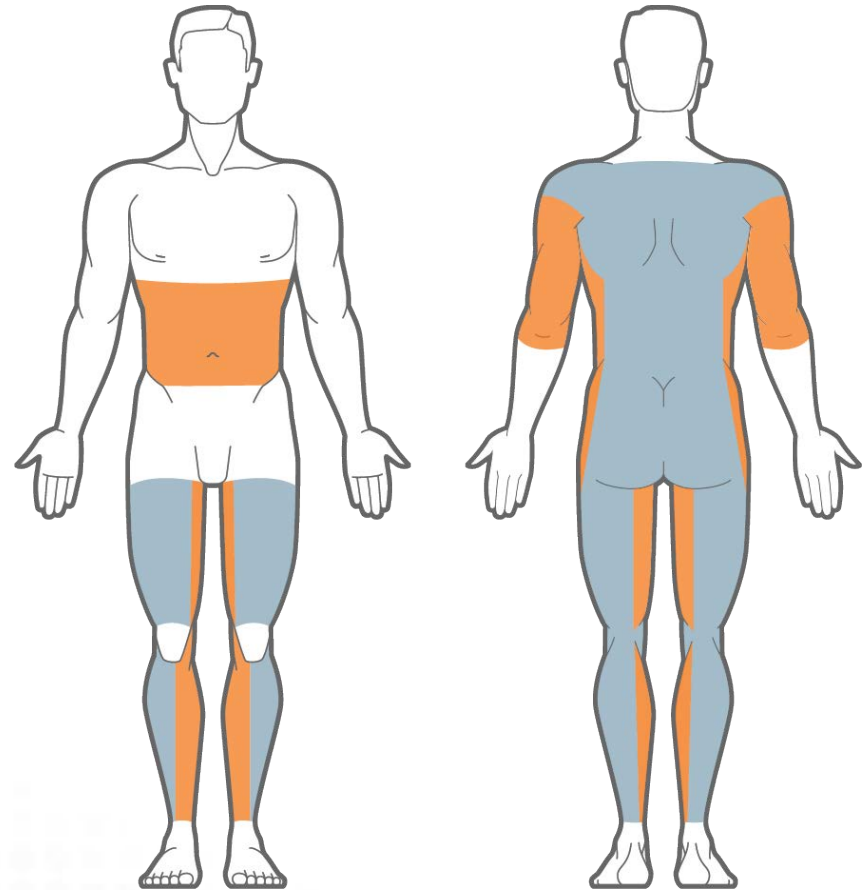


- Pull the Amalgatome MD in a comfortable direction to allow for you to maneuver smoothly over the contours of the body, not pushing against hard to reach areas. 

- Thickness settings- if the tissue is not behaving as you think it should, adjust the depth settings. **Applying less/more pressure to achieve desired results is not recommended.** 

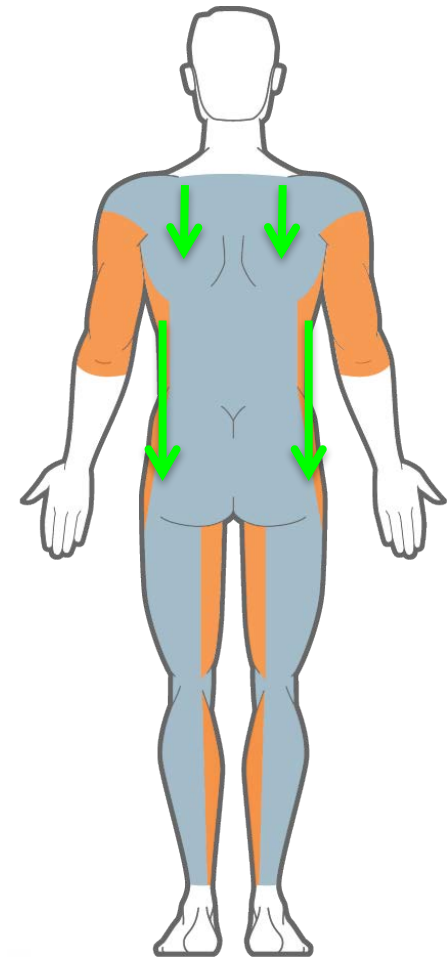
Mapping the Skin Donor

- Be sure to recover the widest, longest skin possible as in accordance with your processor protocols.
- If you start a graft and it does not meet the desired thickness and width, it may be best to stop recovering that graft and start a new one.
- If you have a skin graft with excellent width but too thin/thick, you do not have to stop, simply turn the depth knob to the new desired setting.



Mapping the Skin Donor

- If it your first time or you are training someone new to the Amalgatome MD, it can be best practice to recover the lateral abdomen first.
- This allows the new user to get used to the recovery technique in the lateral abdomen (flank) area first, which is often a difficult area to recover.
- Next as the new user moves medial towards the spine, the grafts are better and better in the areas where recovery is often easier.



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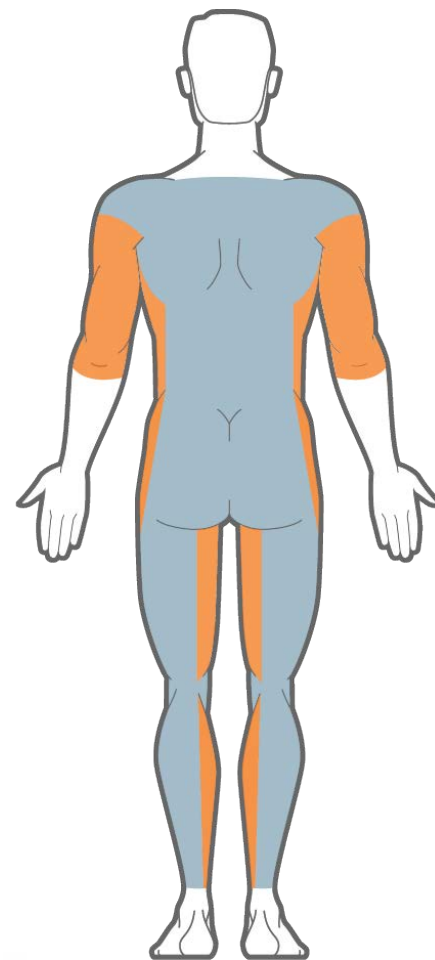
Recovery Guidelines & Technique Reminders



Depth Settings

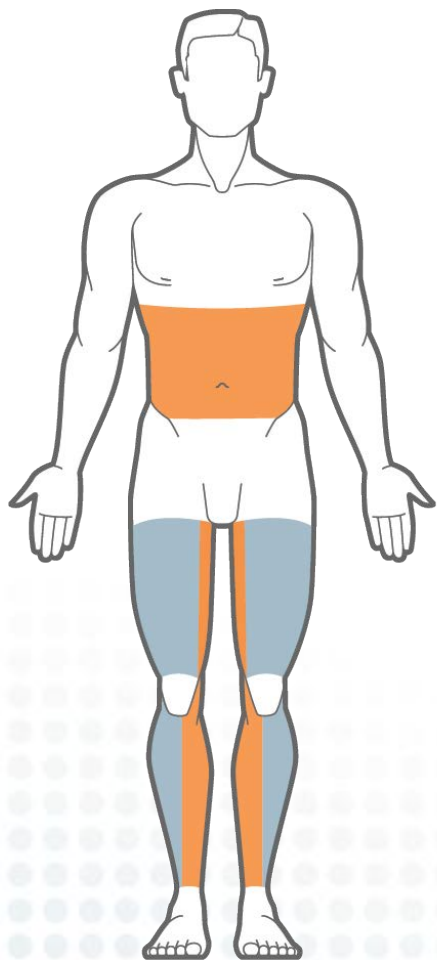
Please note: this chart is meant to be a guide, your depth setting will depend on the donor demographics and processor protocols.

Recovery Location	Depth Setting	Comments
Posterior Trunk	0.012" to 0.018" (0.30mm to 0.45mm)	This site should yield the "easier" strips of recovered skin and could be used as the baseline for the settings of the other sites.
Buttocks	0.018" to 0.025" (0.45mm to 0.63mm)	To recover the skin in this site the device setting should be set thicker, with some slight pressure applied.
Posterior Legs	0.010" to 0.012" (0.25mm to 0.30mm)	To recover the skin in these sites the device setting should be set thinner, and little to no pressure.



Depth Settings

Please note: this chart is meant to be a guide, your depth setting will depend on the donor demographics and processor protocols.



Recovery Location	Depth Setting	Comments
Anterior Trunk	0.018" to 0.025" (0.45mm to 0.63mm)	To recover the skin in this site the device setting should be set thicker, with some slight pressure applied.
Inner Thighs	0.018" to 0.021" (0.45mm to 0.53mm)	To recover the skin in this site the device setting should be set thicker, with some slight pressure applied.
Anterior Legs	0.010" to 0.012" (0.25mm to 0.30mm)	To recover the skin in these sites the device setting should be set thinner, and little to no pressure.



Skin Recovery | Technique Reminders



Trailing
Edge of the
Blade



Leading
Edge of the
Blade

Skin Recovery | Technique Reminders



Skin Recovery | Technique Reminders



Skin Recovery | Technique Reminders



BEST PRACTICES FOR PROPER DEPTH SETTINGS DURING RECOVERY

- If you start a graft and it does not meet the desired thickness and width, (or recovering inadequate skin grafts), it may be best to stop recovering that graft and start a new one.



Skin Recovery | Technique Reminders

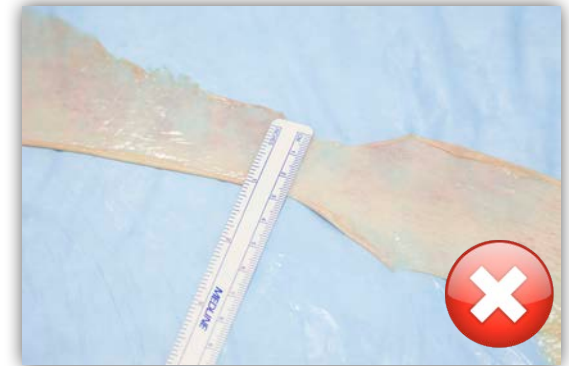


BEST PRACTICES FOR PROPER ANGLE DURING RECOVERY

- Notice the operator is ensuring the proper 3 to 4 inch (8 to 10 cm) recovery of the skin graft by ensuring the diameter of the blade is in contact with the recovery site.
- The operator also ensured the edges are uniform and not chattered.



Skin Recovery | Technique Reminders

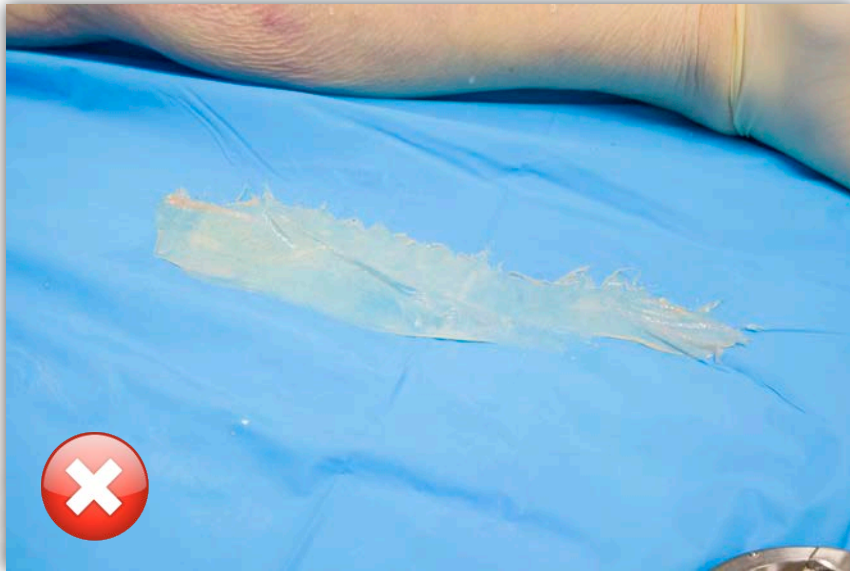


SKIN GRAFT NOT UNIFORM OR TOO THICK/NARROW IN MIDDLE

- The depth gauge plate on the instrument is designed to flatten the skin as it approaches the cutting edge.
- The operator does not need to provide additional pressure or too much angle on the device.
- This will cause the tissue to compress itself into the device, resulting in skin grafts that are thick in the middle and thin on the edges, and too narrow.

Skin Recovery | Technique Reminders


Uneven, chattered edges



Uniform, smooth edges





BEST PRACTICES FOR UNIFORM EDGES ON SKIN GRAFT

- Steady/slow speed required. Moving too fast with the Amalgatome MD Skin Recovery Device does not allow the user to adjust to body contours, or irregularities in tissue during use. 

Skin Recovery | Technique Reminders

BEST PRACTICES ON THE POSTERIOR TORSO



- Notice the operator is allowing the depth gauge to flatten the skin prior to the blade cut. 
- The operator can change the depth during the recovery without stopping. 



Skin Recovery | Technique Reminders

BEST PRACTICES ON THE ANTERIOR TORSO AND BUTTOCKS





- Notice the operator is ensuring the proper 4 inch (10 cm) recovery of the skin graft by ensuring the diameter of the blade is in contact with the recovery area.



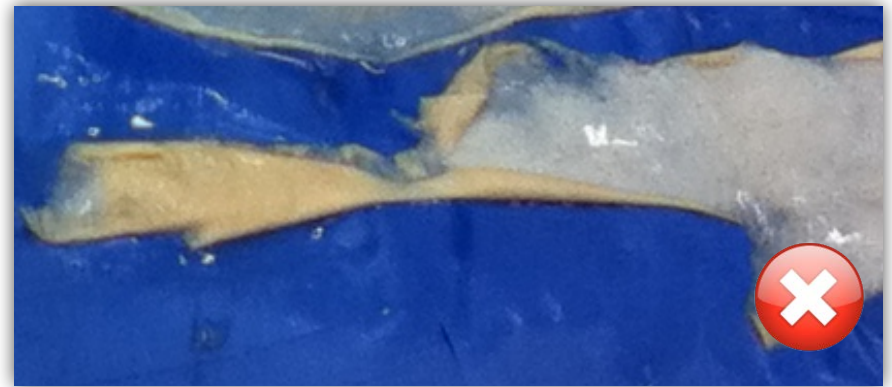
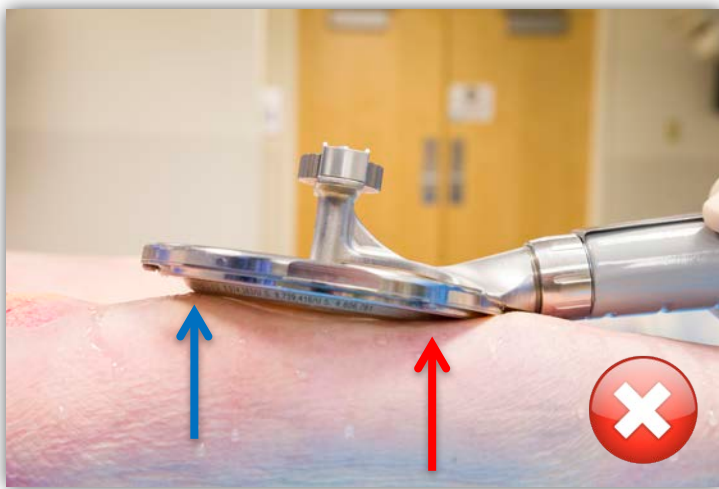
Skin Recovery | Technique Reminders



BEST PRACTICES ON THE LEGS

- Notice the operator is not applying too much pressure and using different areas on the head to recover great skin grafts. 
- The assist recovery technician is not pulling too tight on the recovered skin graft. 

Skin Recovery | Technique Reminders



INADVERTENTLY DISSECTED SKIN GRAFT DURING RECOVERY

- Remember the [blade cuts with the trailing edge](#), and attempting to keep the instrument “**too flat**” may inadvertently cause the operator to lift the cutting edge away from the recovery site.
- The sound of the motor will change and it will sound like it is over working.



Skin Recovery | Technique Reminders



CRESCENT SHAPED APPEARANCE IN SKIN GRAFT

- Steady/slow speed required. Moving too fast with the Amalgatome MD Skin Recovery Device does not allow the user to adjust to body contours, or irregularities in tissue during use.
- This results in crescent moon shaped patterns or uneven thickness of grafts.

Skin Recovery | Technique Reminders

TURNING DEVICE IN MULTIPLE DIRECTIONS RESULTING IN ODD SHAPED GRAFTS

- It may be tempting, that while a good graft is in motion, to turn a corner or move in another direction, resulting in an “S”, “L” or “V” shaped graft, this could result in discard.
- See the **red circle**, this area would not be able to be processed according to the length and width requirements for the end user.
- We recommend avoiding this.
- Recovering in one straight strip is best.

