

Microvascular Clinical Pathway

Site Applicability

Vancouver General Hospital

Pathway Patient Goals

Inclusion Criteria

Home Discharge Criteria

Instructions

1. Review pathway once per shift for patient care goals and expected outcomes
2. Do not document on this pathway, complete documentation in the Electronic Health Record (Cerner) or paper chart as per policy

Day of Surgery – OR Day (Post-op Day 0)	
Category	Expected Outcomes
Safety	<ul style="list-style-type: none"> • Bedside safety check
Fall Risk/Care Plan	<ul style="list-style-type: none"> • Fall prevention care plan in place • Risk assessed & new fall prevention care plan completed • Not at risk: reviewed & no concerns
LOC/Cognition	<ul style="list-style-type: none"> • Alert & Oriented x 3 (person, place, date)
Physical Assessment	<ul style="list-style-type: none"> • Vital signs and temp within patient's normal limits • Head to toe assessment (within patient's normal limits) • Lab values within normal limits • CBC, Lytes, BUN & Creatinine in AM
Other Considerations	<ul style="list-style-type: none"> • Warm room up to 27 – 30 degrees C • Air temperature blanket placed centrally over patient
Pain Management	<ul style="list-style-type: none"> • Pain controlled
Elimination	<ul style="list-style-type: none"> • Abdomen soft, non-distended • Flatus passed • Bowel sounds present • Bowel management effective • Note last BM • Urinary output > 30 cc/hr • Note if indwelling catheter, removal considered, removal date
Nutrition	<ul style="list-style-type: none"> • NPO x 24H • Document ins and outs
Free Flap/Replant Site	<ul style="list-style-type: none"> • Flap check Q1H (document accordingly)
Donor Site(s)	<p>Muscle Donor Site:</p> <ul style="list-style-type: none"> • Incision/dressing checked q shift and PRN • No signs of complication <p>Skin Graft donor dressing:</p> <ul style="list-style-type: none"> • Note dressing type (transparent drape, transparent with Aquacel, Xeroform) • Secondary dressing on skin graft donor site intact
Drains	<ul style="list-style-type: none"> • Emptied and recorded Q6H • Drain dressing changed daily & PRN • Drain discontinued as per MD order
Activity/Mobility	<ul style="list-style-type: none"> • Patient repositioned Q2H & PRN • Note if on bedrest, restricted movement to flap site as per order • Elevate flap site as per order • Bathroom privileges – keep flap elevated when up • Note if no trapeze and/or no mechanical lifting device

Post-Op Day 1	
Category	Expected Outcomes
Safety	<ul style="list-style-type: none"> • Bedside safety check
Fall Risk/Care Plan	<ul style="list-style-type: none"> • Fall prevention care plan in place • Risk assessed & new fall prevention care plan completed • Not at risk: reviewed & no concerns
LOC/Cognition	<ul style="list-style-type: none"> • Alert & Oriented x 3 (person, place, date)
Physical Assessment	<ul style="list-style-type: none"> • Vital signs and temp within patient's normal limits • Head to toe assessment (within patient's normal limits) • Lab values within normal limits • CBC, Lytes, BUN & Creatinine in AM
Other Considerations	<ul style="list-style-type: none"> • Warm room up to 27 – 30 degrees C • Air temperature blanket placed centrally over patient
Pain Management	<ul style="list-style-type: none"> • Pain controlled
Elimination	<ul style="list-style-type: none"> • Abdomen soft, non-distended • Flatus passed • Bowel sounds present • Bowel management effective • Note last BM • Urinary output > 30 cc/hr • Note if indwelling catheter, removal considered, removal date
Nutrition	<ul style="list-style-type: none"> • NPO X 24 hours post OR and then start Xanthine-free diet (clear fluids to DAT) as per order • Document ins and outs
Free Flap/Replant Site	<ul style="list-style-type: none"> • Flap check Q1H (Document accordingly)
Donor Site(s)	<p>Muscle Donor Site:</p> <ul style="list-style-type: none"> • Incision/dressing checked q shift and PRN • No signs of complication <p>Skin Graft donor dressing:</p> <ul style="list-style-type: none"> • Note dressing type (transparent drape, transparent with Aquacel, Xeroform) • Pooling fluid under dressing aspirated PRN • Xeroform free from slime, free from excessive dried blood, exudry under dependent areas • Linens/gown free from site • Secondary dressing removed from skin graft donor site
Drains	<ul style="list-style-type: none"> • Emptied and recorded Q6H • Drain dressing changed daily & PRN • Drain discontinued as per MD order
Activity/Mobility	<ul style="list-style-type: none"> • Patient repositioned Q2H & PRN • Note if on bedrest, restricted movement to flap site as per order • Elevate flap site as per order • Bathroom privileges – keep flap elevated when up • Note if no trapeze and/or no mechanical lifting device

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Post-Op Day 2	
Category	Expected Outcomes
Safety	<ul style="list-style-type: none"> • Bedside safety check
Fall Risk/Care Plan	<ul style="list-style-type: none"> • Fall prevention care plan in place • Risk assessed & new fall prevention care plan completed • Not at risk: reviewed & no concerns
LOC/Cognition	<ul style="list-style-type: none"> • Alert & Oriented x 3 (person, place, date)
Physical Assessment	<ul style="list-style-type: none"> • Vital signs and temp within patient's normal limits • Head to toe assessment (within patient's normal limits) • Lab values within normal limits
Other Considerations	<ul style="list-style-type: none"> • Warm room up to 27 – 30 degrees C • Air temperature blanket placed centrally over patient
Pain Management	<ul style="list-style-type: none"> • Pain controlled
Elimination	<ul style="list-style-type: none"> • Abdomen soft, non-distended • Flatus passed • Bowel sounds present • Bowel management effective • Note last BM • Urinary output > 30 cc/hr • Note if indwelling catheter, removal considered, removal date
Nutrition	<ul style="list-style-type: none"> • Xanthine-free diet (clear fluids to DAT) • Document ins and outs
Free Flap/Replant Site	<ul style="list-style-type: none"> • Flap check Q1H until ordered, then flap check Q2H (Document accordingly)
Donor Site(s)	<p>Muscle Donor Site:</p> <ul style="list-style-type: none"> • Incision/dressing checked q shift and PRN • No signs of complication <p>Skin Graft donor dressing:</p> <ul style="list-style-type: none"> • Note dressing type (transparent drape, transparent with Aquacel, Xeroform) • Pooling fluid under dressing aspirated PRN • Xeroform free from slime, free from excessive dried blood, exudry under dependent areas • Linens/gown free from site
Drains	<ul style="list-style-type: none"> • Emptied and recorded Q6H • Drain dressing changed daily & PRN • Drain discontinued as per MD order
Activity/Mobility	<ul style="list-style-type: none"> • Patient repositioned Q2H & PRN • Note if on bedrest, restricted movement to flap site as per order • Elevate flap site as per order • Bathroom privileges – keep flap elevated when up • Note if no trapeze and/or no mechanical lifting device

Post-Op Day 3	
Category	Expected Outcomes
Safety	<ul style="list-style-type: none"> • Bedside safety check
Fall Risk/Care Plan	<ul style="list-style-type: none"> • Fall prevention care plan in place • Risk assessed & new fall prevention care plan completed • Not at risk: reviewed & no concerns
LOC/Cognition	<ul style="list-style-type: none"> • Alert & Oriented x 3 (person, place, date)
Physical Assessment	<ul style="list-style-type: none"> • Vital signs and temp within patient's normal limits • Head to toe assessment (within patient's normal limits) • Lab values within normal limits
Other Considerations	<ul style="list-style-type: none"> • Warm room up to 27 – 30 degrees C • Air temperature blanket placed centrally over patient
Pain Management	<ul style="list-style-type: none"> • Pain controlled
Elimination	<ul style="list-style-type: none"> • Abdomen soft, non-distended • Flatus passed • Bowel sounds present • Bowel management effective • Note last BM • Urinary output > 30 cc/hr • Note if indwelling catheter, removal considered, removal date
Nutrition	<ul style="list-style-type: none"> • Xanthine-free diet (clear fluids to DAT) • Document ins and outs
Free Flap/Replant Site	<ul style="list-style-type: none"> • Flap check Q2H (Document accordingly)
Donor Site(s)	<p>Muscle Donor Site:</p> <ul style="list-style-type: none"> • Incision/dressing checked q shift and PRN • No signs of complication <p>Skin Graft donor dressing:</p> <ul style="list-style-type: none"> • Note dressing type (transparent drape, transparent with Aquacel, Xeroform) • Pooling fluid under dressing aspirated PRN • Xeroform free from slime, free from excessive dried blood, exudry under dependent areas • Linens/gown free from site
Drains	<ul style="list-style-type: none"> • Emptied and recorded Q6H • Drain dressing changed daily & PRN • Drain discontinued as per MD order
Activity/Mobility	<ul style="list-style-type: none"> • Patient repositioned Q2H & PRN • Note if on bedrest, restricted movement to flap site as per order • Elevate flap site as per order • Bathroom privileges – keep flap elevated when up • Note if no trapeze and/or no mechanical lifting device

Post-Op Day 4	
Category	Expected Outcomes
Safety	<ul style="list-style-type: none"> • Bedside safety check
Fall Risk/Care Plan	<ul style="list-style-type: none"> • Fall prevention care plan in place • Risk assessed & new fall prevention care plan completed • Not at risk: reviewed & no concerns
LOC/Cognition	<ul style="list-style-type: none"> • Alert & Oriented x 3 (person, place, date)
Physical Assessment	<ul style="list-style-type: none"> • Vital signs and temp within patient's normal limits • Head to toe assessment (within patient's normal limits) • Lab values within normal limits
Other Considerations	<ul style="list-style-type: none"> • Warm room up to 27 – 30 degrees C • Air temperature blanket placed centrally over patient
Pain Management	<ul style="list-style-type: none"> • Pain controlled
Elimination	<ul style="list-style-type: none"> • Abdomen soft, non-distended • Flatus passed • Bowel sounds present • Bowel management effective • Note last BM • Urinary output > 30 cc/hr • Note if indwelling catheter, removal considered, removal date
Nutrition	<ul style="list-style-type: none"> • Xanthine-free diet (clear fluids to DAT) • Document ins and outs
Free Flap/Replant Site	<ul style="list-style-type: none"> • Flap check Q2H until ordered, then Q4H (Document accordingly)
Donor Site(s)	<p>Muscle Donor Site:</p> <ul style="list-style-type: none"> • Incision/dressing checked q shift and PRN • No signs of complication <p>Skin Graft donor dressing:</p> <ul style="list-style-type: none"> • Note dressing type (transparent drape, transparent with Aquacel, Xeroform) • Pooling fluid under dressing aspirated PRN • Xeroform free from slime, free from excessive dried blood, exudry under dependent areas • Linens/gown free from site
Drains	<ul style="list-style-type: none"> • Emptied and recorded Q6H • Drain dressing changed daily & PRN • Drain discontinued as per MD order
Activity/Mobility	<ul style="list-style-type: none"> • Patient repositioned Q2H & PRN • Note if on bedrest, restricted movement to flap site as per order • Elevate flap site as per order • Bathroom privileges – keep flap elevated when up • Note if no trapeze and/or no mechanical lifting device

Post-Op Day 5	
Category	Expected Outcomes
Safety	<ul style="list-style-type: none"> • Bedside safety check
Fall Risk/Care Plan	<ul style="list-style-type: none"> • Fall prevention care plan in place • Risk assessed & new fall prevention care plan completed • Not at risk: reviewed & no concerns
LOC/Cognition	<ul style="list-style-type: none"> • Alert & Oriented x 3 (person, place, date)
Physical Assessment	<ul style="list-style-type: none"> • Vital signs and temp within patient's normal limits • Head to toe assessment (within patient's normal limits) • Lab values within normal limits
Other Considerations	<ul style="list-style-type: none"> • Warm room up to 27 – 30 degrees C • Air temperature blanket placed centrally over patient
Pain Management	<ul style="list-style-type: none"> • Pain controlled
Elimination	<ul style="list-style-type: none"> • Abdomen soft, non-distended • Flatus passed • Bowel sounds present • Bowel management effective • Note last BM • Urinary output > 30 cc/hr • Note if indwelling catheter, removal considered, removal date
Nutrition	<ul style="list-style-type: none"> • Xanthine-free diet (clear fluids to DAT) • Document ins and outs
Free Flap/Replant Site	<ul style="list-style-type: none"> • Flap check Q4H (Document accordingly) • Flap dressings removed & flap exposed • Protective dressings for activity & sleep
Donor Site(s)	<p>Muscle Donor Site:</p> <ul style="list-style-type: none"> • Incision/dressing checked q shift and PRN • No signs of complication <p>Skin Graft donor dressing:</p> <ul style="list-style-type: none"> • Note dressing type (transparent drape, transparent with Aquacel, Xeroform) • Pooling fluid under dressing aspirated PRN • Xeroform free from slime, free from excessive dried blood, exudry under dependent areas • Linens/gown free from site
Drains	<ul style="list-style-type: none"> • Emptied and recorded Q6H • Drain dressing changed daily & PRN • Drain discontinued as per MD order
Activity/Mobility	<ul style="list-style-type: none"> • Patient repositioned Q2H & PRN • Note if on bedrest, restricted movement to flap site as per order • Elevate flap site as per order • Bathroom privileges – keep flap elevated when up • Note if no trapeze and/or no mechanical lifting device • Dangle protocol initiated • Patient taught about protective dressing & tensor for activity

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Post-Op Day 6	
Category	Expected Outcomes
Safety	<ul style="list-style-type: none"> • Bedside safety check
Fall Risk/Care Plan	<ul style="list-style-type: none"> • Fall prevention care plan in place • Risk assessed & new fall prevention care plan completed • Not at risk: reviewed & no concerns
LOC/Cognition	<ul style="list-style-type: none"> • Alert & Oriented x 3 (person, place, date)
Physical Assessment	<ul style="list-style-type: none"> • Vital signs and temp within patient's normal limits • Head to toe assessment (within patient's normal limits) • Lab values within normal limits
Other Considerations	<ul style="list-style-type: none"> • Warm room up to 27 – 30 degrees C • Air temperature blanket placed centrally over patient
Pain Management	<ul style="list-style-type: none"> • Pain controlled
Elimination	<ul style="list-style-type: none"> • Abdomen soft, non-distended • Flatus passed • Bowel sounds present • Bowel management effective • Note last BM • Urinary output > 30 cc/hr • Note if indwelling catheter, removal considered, removal date
Nutrition	<ul style="list-style-type: none"> • Xanthine-free diet (clear fluids to DAT) • Document ins and outs
Free Flap/Replant Site	<ul style="list-style-type: none"> • Flap check Q4H (Document accordingly) • Flap dressings removed & flap exposed • Protective dressings for activity & sleep
Donor Site(s)	<p>Muscle Donor Site:</p> <ul style="list-style-type: none"> • Incision/dressing checked q shift and PRN • No signs of complication <p>Skin Graft donor dressing:</p> <ul style="list-style-type: none"> • Note dressing type (transparent drape, transparent with Aquacel, Xeroform) • Pooling fluid under dressing aspirated PRN • Xeroform free from slime, free from excessive dried blood, exudry under dependent areas • Linens/gown free from site
Drains	<ul style="list-style-type: none"> • Emptied and recorded Q6H • Drain dressing changed daily & PRN • Drain discontinued as per MD order
Activity/Mobility	<ul style="list-style-type: none"> • Patient repositioned Q2H & PRN • Note if on bedrest, restricted movement to flap site as per order • Elevate flap site as per order • Bathroom privileges – keep flap elevated when up • Note if no trapeze and/or no mechanical lifting device • Dangle protocol initiated • Patient taught about protective dressing & tensor for activity

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Post-Op Day 7	
Category	Expected Outcomes
Safety	<ul style="list-style-type: none"> • Bedside safety check
Fall Risk/Care Plan	<ul style="list-style-type: none"> • Fall prevention care plan in place • Risk assessed & new fall prevention care plan completed • Not at risk: reviewed & no concerns
LOC/Cognition	<ul style="list-style-type: none"> • Alert & Oriented x 3 (person, place, date)
Physical Assessment	<ul style="list-style-type: none"> • Vital signs and temp within patient's normal limits • Head to toe assessment (within patient's normal limits) • Lab values within normal limits
Other Considerations	<ul style="list-style-type: none"> • Warm room up to 27 – 30 degrees C • Air temperature blanket placed centrally over patient
Pain Management	<ul style="list-style-type: none"> • Pain controlled
Elimination	<ul style="list-style-type: none"> • Abdomen soft, non-distended • Flatus passed • Bowel sounds present • Bowel management effective • Note last BM • Urinary output > 30 cc/hr • Note if indwelling catheter, removal considered, removal date
Nutrition	<ul style="list-style-type: none"> • Xanthine-free diet (clear fluids to DAT) • Document ins and outs
Free Flap/Replant Site	<ul style="list-style-type: none"> • Flap check Q6H until discharged (Document accordingly) • Flap surgical dressings removed & flap exposed • Protective dressings for activity & sleep
Donor Site(s)	<p>Muscle Donor Site:</p> <ul style="list-style-type: none"> • Incision/dressing checked q shift and PRN • No signs of complication <p>Skin Graft donor dressing:</p> <ul style="list-style-type: none"> • Note dressing type (transparent drape, transparent with Aquacel, Xeroform) • Donor site exposed to air • Xeroform – lifting areas trimmed • Healed areas moisturized BID
Drains	<ul style="list-style-type: none"> • Emptied and recorded Q6H • Drain dressing changed daily & PRN • Drain discontinued as per MD order
Activity/Mobility	<ul style="list-style-type: none"> • Patient repositioned Q2H & PRN • Note if on bedrest, restricted movement to flap site as per order • Elevate flap site as per order • Bathroom privileges – keep flap elevated when up • Note if no trapeze and/or no mechanical lifting device • Dangle protocol initiated • Patient taught about protective dressing & tensor for activity

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Post-Op Day 8 and Onward	
Category	Expected Outcomes
Safety	<ul style="list-style-type: none"> • Bedside safety check
Fall Risk/Care Plan	<ul style="list-style-type: none"> • Fall prevention care plan in place • Risk assessed & new fall prevention care plan completed • Not at risk: reviewed & no concerns
LOC/Cognition	<ul style="list-style-type: none"> • Alert & Oriented x 3 (person, place, date)
Physical Assessment	<ul style="list-style-type: none"> • Vital signs and temp within patient's normal limits • Head to toe assessment (within patient's normal limits) • Lab values within normal limits
Other Considerations	<ul style="list-style-type: none"> • Warm room up to 27 – 30 degrees C • Air temperature blanket placed centrally over patient
Pain Management	<ul style="list-style-type: none"> • Pain controlled
Elimination	<ul style="list-style-type: none"> • Abdomen soft, non-distended • Flatus passed • Bowel sounds present • Bowel management effective • Note last BM • Urinary output > 30 cc/hr • Note if indwelling catheter, removal considered, removal date
Nutrition	<ul style="list-style-type: none"> • Xanthine-free diet (clear fluids to DAT) • Document ins and outs
Free Flap/Replant Site	<ul style="list-style-type: none"> • Flap check Q6H until discharged • Flap surgical dressings removed & flap exposed • Protective dressings for activity & sleep
Donor Site(s)	<p>Muscle Donor Site:</p> <ul style="list-style-type: none"> • Incision/dressing checked q shift and PRN • No signs of complication <p>Skin Graft donor dressing:</p> <ul style="list-style-type: none"> • Note dressing type (transparent drape, transparent with Aquacel, Xeroform) • Donor site exposed to air • Xeroform – lifting areas trimmed • Healed areas moisturized BID
Drains	<ul style="list-style-type: none"> • Emptied and recorded Q6H • Drain dressing changed daily & PRN • Drain discontinued as per MD order
Activity/Mobility	<ul style="list-style-type: none"> • Patient repositioned Q2H & PRN • Note if on bedrest, restricted movement to flap site as per order • Elevate flap site as per order • Bathroom privileges – keep flap elevated when up • Note if no trapeze and/or no mechanical lifting device • Dangle protocol initiated • Patient taught about protective dressing & tensor for activity

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Developed By

Effective Date:	
Posted Date:	
Last Revised:	
Last Reviewed:	
Approved By:	
	Endorsed By:
	Final Sign Off:
Owners:	VCH
	Developer Lead(s):
	<ul style="list-style-type: none"> Clinical Nurse Educator, Transplant, Urology, Gynecology, Plastics, VGH