Table 1 Plastic surgeon reported closure of abdominal secondary defect (n = 83)

Phase of closure	Product	N (%)
		27 (24)
	No mesh used	27 (34)
	Mesh (type not reported)	15 (18)
	Prolene mesh	4 (5)
Rectus sheath mesh	Ultrapro	3 (4)
	Vipro	2 (2)
	Parietax	1 (1)
	Vicryl	1 (1)
	Missing	30 (36)
	Nylon	37 (45)
	Polydiaxanone	6 (7)
	Barbed suture	
		4 (5)
Closure of rectus sheath	Vicryl	2 (2)
	Ethibond	1 (1)
	Prolene	1 (1)
	Missing	32 (39)
	Polydiaxanone	23 (28)
	Vicryl	14 (17)
	Monocryl	8 (10)
Closure of Scarpa's fascia	Barbed suture	6 (7)
	Vicryl	2 (2)
	Missing	21 (25)
	Monocryl	34 (41)
	Vicryl	10 (12)
Deep dermal closure	Barbed suture	7 (8)
r	Polydiaxanone	3 (4)
	Insorb	3 (4)
	Missing	26 (31)
	Monocryl	46 (55)
	Polydiaxanone	3 (4)
Skin closure	Barbed suture	2 (2)
	Vicryl	1 (1)
		- (-)

	Staples	1 (1)
	Missing	30 (36)
	Tissue glue	9 (11)
	Steristrips	8 (10)
Wound dressing	Tissue glue and dressing	7 (8)
	Prineo	4 (5)
	Missing	55 (66)

Data derived from free text responses. Missing data documented where no reference to that part of closure was mentioned in the response.

Table 2 Anaesthetists reported preferences for postoperative analgesia (n/N%). Multiple responses allowed.

Analgesic	Regular	PRN	No	Missing
Paracetamol	67 (94)	0 (0)	2 (3)	3 (3)
Patient controlled analgesia	40 (56)	10 (14)	19 (27)	3 (3)
NSAID (e.g. ibuprofen)	34 (48)	7 (10)	28 (39)	3 (3)
Oral morphine	16 (23)	25 (35)	28 (39)	3 (3)
Gabapentin	13 (18)	2 (3)	54 (76)	3 (3)
Compound analgesic (e.g. co-codamol)	5 (7)	7 (10)	57 (80)	3 (3)
Aspirin	1 (1)	0 (0)	68 (96)	3 (3)
COX-2 Inhibitor (e.g. Celecoxib)	1 (1)	0 (0)	68 (96)	3 (3)

NSAID, non-steroidal anti-inflammatory drug; COX, cyclooxygenase

Item	ERAS Society Recommendation	ABS / BAPRAS Recommendations	optiFLAPP experience
Preadmission	Patients should receive detailed	Patients should receive information	In addition to clinic consultation,
information,	preoperative counseling.	in a format and level of detail that	paper-based information widely
education, and		meets their individual needs.	used but limited use of electronic
counseling [1]			resources.
Preadmission	For daily smokers, 1 month of	All women should undergo a pre-	All patients attend a preadmission
optimization [1]	abstinence before surgery is	operative assessment process prior	clinic to prepare them for surgery.
	beneficial.	to admission.	
			BMI and smoking not examined by
	For patients who are obese, weight		survey.
	reduction to achieve a BMI ≤30		
	kg/m <sup>2</sup> before surgery is beneficial.		
	For alcohol abusers, 1 month of		
	abstinence before surgery is		
	beneficial. For appropriate groups,		
	referral should be made to		
	resources for these behavior		
	changes.		
Perforator flap	If preoperative perforator mapping	No specific guidance.	Preoperative imaging is performed
planning	is required, CTA is recommended.		in 92% patients (CTA 67%)
Perioperative	Preoperative fasting should be	No specific guidance.	Most patients are encouraged to
fasting	minimized and patients should be		drink up to 2 hours before surgery.
	allowed to drink clear fluids up to 2		
	hour before surgery.		
Preoperative	Preoperative maltodextrin-based	No specific guidance.	Only 13% given a specific oral fluic
carbohydrate	drinks should be given to patients 2		prescription for carbohydrate
loading	hour before surgery.		loading.
Venous	Patients should be assessed for	LMWH according to risk factors 12	Most patients receive combined
thromboembolism	venous thromboembolism risk.	hours prior to surgery (night before	VTE prophylaxis of LMWH and
prophylaxis [see]	Unless contraindicated, and	operation). TEDS on admission.	TEDS. Few continue VTE
	balanced by the risk of bleeding,	Leave flowtrons on for first 24	prophylaxis beyond the admission
	patients at a higher risk should	hours post operation. Encourage	

[	receive low-molecular-weight	ankle dorsi / plantar flexion after	
	_		
	heparin or unfractionated heparin	flowtrons removed.	
	until ambulatory or discharged.	No guidelines for tamoxifen	
	Mechanical methods should be	The galacines for announcer	Most surgeons stop tamoxifen
	added.		
Antimicrobial	Chlorhexidine skin preparation	2% chlorhexidine with 70%	All patients receive induction
prophylaxis [stp]	should be performed and	isopropyl alcohol with tint provides	antibiotics. 45% receive antibiotics
	intravenous antibiotics covering	the best skin decontamination. A	beyond the procedure.
	common skin organisms should be	single intravenous dose of	
	given within 1 hour of incision.	prophylactic antibiotic given on	
		induction of anaesthesia. If the	
		operation lasts longer than 4 hours	
		or there is significant blood loss, a	
		second dose may be indicated.	
Postoperative	Women should receive preoperative	Propofol infusions, 5HT3	Not assessed.
nausea and	and intraoperative medications to	antagonists and a multimodal	
vomiting	mitigate postoperative nausea and	approach to minimize retching.	
prophylaxis	vomiting.		
Preoperative and	Women should receive multimodal	No specific guidance.	30% anaesthetists report
intraoperative	analgesia to mitigate pain.		prescribing preoperative analgesia
analgesia			
Standard	General anesthesia with TIVA is	No specific guidance.	39% anaesthetists use TIVA; 37%
anesthetic	recommended.		use volatile anesthesia
protocol			
Preventing	Preoperative and intraoperative	Patient temperature should be	A range of measures were reported
intraoperative	measures, such as forced air, to	carefully monitored. No specific	to prevent hypothermia. Large
hypothermia 🔛	prevent hypothermia should be	guidance on warming.	variation in preoperative warming
	instituted. Temperature monitoring		and forced air warming devices.
	is required to ensure the patient's		
	body temperature is maintained		
	above 36°C.		
		1	

Perioperative	Over resuscitation or under	Fluid balance must be carefully	Goal directed therapy not widely
intravenous fluid	resuscitation of fluids should be	monitored and patients kept	used.
management	avoided and water and electrolyte	adequately hydrated.	
0	balance should be maintained. Goal-		
	directed therapy is a useful method		
	of achieving these goals.		
			Hartmann's solution was the
	Balanced crystalloid solutions,		preferred solution for maintenance
	rather than saline, is recommended.		and fluid boluses.
	Vasopressors are recommended to		84% anaesthetists reported always
	support fluid management and do		or sometimes using vasopressors.
	not negatively affect free flaps.		
Postoperative	Multimodal postoperative pain	A multi-modal approach to	Opioid patient controlled analgesia
analgesia	management regimens are opioid-	analgesia should be considered –	widely used. Low use of NSAIDs.
	sparing and should be used.	options include patient controlled	Approximately half of clinicians
		analgesia, regional techniques, local	used regional blocks.
		anesthetic wound infiltration and a	
		combination of opioid and non-	
		opioid analgesics.	
Early feeding	Patients should be encouraged to	No specific guidance.	Not assessed.
	take fluids and food orally as soon		
	as possible, preferably within 24		
	hour after surgery.		
Postoperative flap	Flap monitoring within the first 72	Monitor flap every 30 minutes for	Range of flap monitoring protocols.
monitoring	hour should occur frequently.	24 hours and hourly thereafter.	Generally continue for 3 days and
	Clinical evaluation is sufficient for		surface Doppler used as an adjunct.
	monitoring, with implantable		
	Doppler devices recommended in		
	cases of buried flaps.		
Postoperative	For incisional closure, conventional	No specific guidance other than	Large variation in abdominal
wound	sutures are recommended. Complex	patients should be monitored for	wound closure techniques including
management	wounds following skin necrosis are	complications.	the use of barbed sutures and
	treatable with débridement and	<i>x</i>	closure devices.
	negative-pressure wound therapy.		

Early mobilization	Patients should be mobilized within	No specific guidance.	Not assessed.
	the first 24 hours after surgery.		
Post discharge	Early physiotherapy, supervised	Patients should have early access to	Not assessed.
home support and	exercise programs, and other	specialist physiotherapy.	
physiotherapy	supportive care initiatives should be		
	instituted after		
Patient	No specific guidance.	Patients' satisfaction with breast	Only 30% surgeons report
satisfaction		reconstruction outcome should be	collecting patient reported
		measured using standardized	outcomes
		assessment tools.	

CTA, computed tomography angiography; VTE, venous thromboembolism; LMWH, low molecular weight heparin; TEDS, thromboembolic deterrent stockings; ERAS, enhanced recovery after surgery; ABS, Association of Breast Surgeons; BAPRAS, British Association of Plastic, Reconstructive and Aesthetic Surgeons; TIVA, total intravenous anesthesia