

Supplementary material 1: pre-education questionnaire

Subjective Assessment of Free-Flaps in the Post-Operative Period

Department of Plastic & Reconstructive Surgery

Please answer all questions by circling the appropriate response.

Your responses are de-identified and used for research purposes only.

1) Department:

ICU

Microsurgical Ward

2) How many times have you cared for a free-flap patient using:

a) Clinical Monitoring	b) Implantable Venous Doppler	c) External Arterial Doppler
<5 times	<5 times	<5 times
5-25 times	5-25 times	5-25 times
25-50 times	25-50 times	25-50 times
>50 times	>50 times	>50 times

3) Have you ever identified a failing free-flap?

Yes

No

Unsure

3.1) If so, how did you identify these changes in the free-flap?

Using clinical assessment alone

Using implantable venous doppler alone

Using external arterial doppler alone

Using a combination of clinical assessment and adjuncts

5) How confident do you feel interpreting changes in a free-flap using:

a) Clinical Monitoring	b) Implantable Venous Doppler	c) External Arterial Doppler
Not at all	Not at all	Not at all
Slightly	Slightly	Slightly
Moderately	Moderately	Moderately
Highly	Highly	Highly
Extremely	Extremely	Extremely

6) In your opinion, does the use of adjuncts like the implantable venous doppler, or the external arterial doppler, make it easier or more complicated to assess a failing free-flap?

Much more complicated

More complicated

Neither more complicated nor easier

Makes assessment easier

Makes assessment much easier

7) If you were concerned that a free-flap was failing, would you feel comfortable in knowing and pursuing the appropriate escalation pathway?

Yes

No

Unsure

8) Would you benefit from further resources, in-service or online, regarding free-flaps and their management?

Yes

No

Unsure

Thank you for your responses.