

Supplementary material 2: post-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

9) Following the seminar, do you have a better understanding of the causes of free-flap failure?

Not at all

Slightly

Moderately

Highly

Extremely

10) Following the seminar, do you feel more confident in managing free-flaps?

Not at all

Slightly

Moderately

Highly

Extremely

11) Would you recommend this education session to other staff who care for free-flaps?

Yes

No

Unsure

Thank you for your responses.