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#### Frame -2

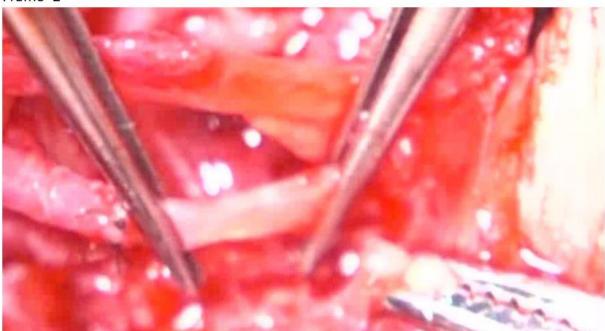


Fig. E-1

**Figs. E-1 through E-12** Figures demonstrating how the start and end time points of refilling were determined. The still images converted from the video were observed in consecutive order. We paged forward and backward through the image series in order to confidently determine the start and end time points of vessel refilling.

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#### Frame -1

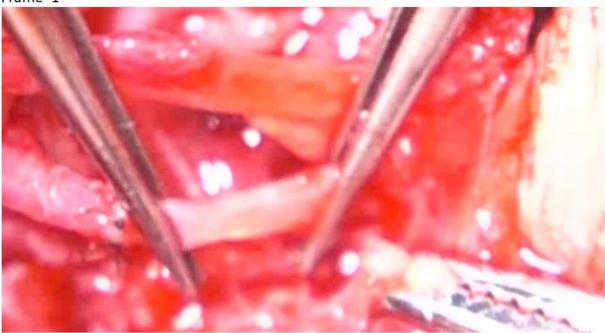


Fig. E-2

PATENCY TEST OF VASCULAR ANASTOMOSIS WITH ASSISTANCE OF HIGH-SPEED VIDEO RECORDING IN DIGIT REPLANTATION http://dx.doi.org/10.2106/JBJS.17.00494 Page 3

# Frame 0 (start point)

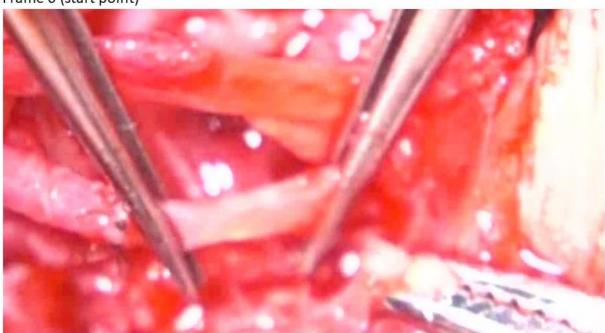


Fig. E-3

PATENCY TEST OF VASCULAR ANASTOMOSIS WITH ASSISTANCE OF HIGH-SPEED VIDEO RECORDING IN DIGIT REPLANTATION http://dx.doi.org/10.2106/JBJS.17.00494 Page 4

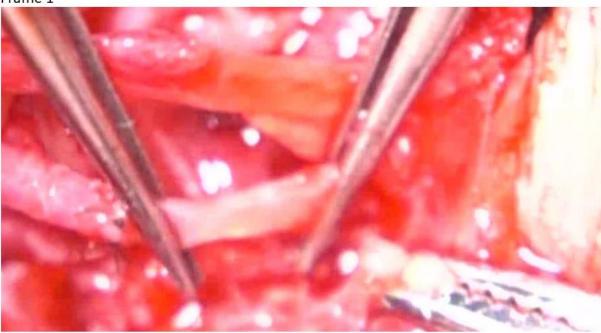


Fig. E-4

PATENCY TEST OF VASCULAR ANASTOMOSIS WITH ASSISTANCE OF HIGH-SPEED VIDEO RECORDING IN DIGIT REPLANTATION http://dx.doi.org/10.2106/JBJS.17.00494 Page 5

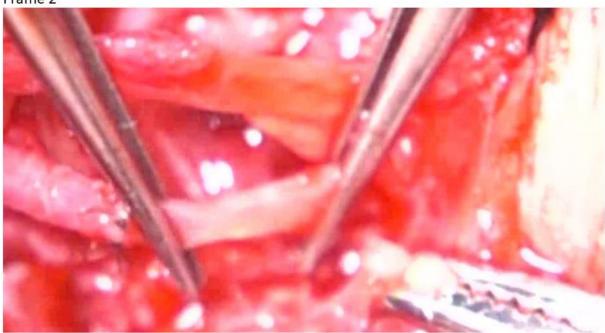


Fig. E-5

PATENCY TEST OF VASCULAR ANASTOMOSIS WITH ASSISTANCE OF HIGH-SPEED VIDEO RECORDING IN DIGIT REPLANTATION http://dx.doi.org/10.2106/JBJS.17.00494 Page 6

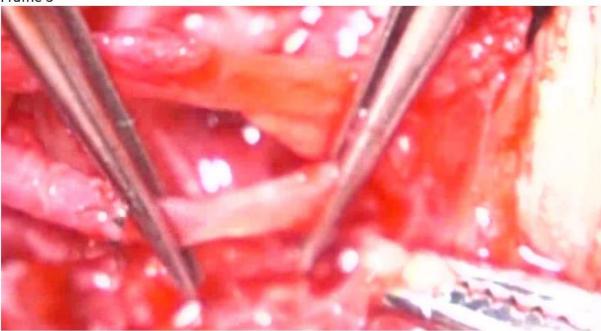


Fig. E-6

PATENCY TEST OF VASCULAR ANASTOMOSIS WITH ASSISTANCE OF HIGH-SPEED VIDEO RECORDING IN DIGIT REPLANTATION http://dx.doi.org/10.2106/JBJS.17.00494 Page 7

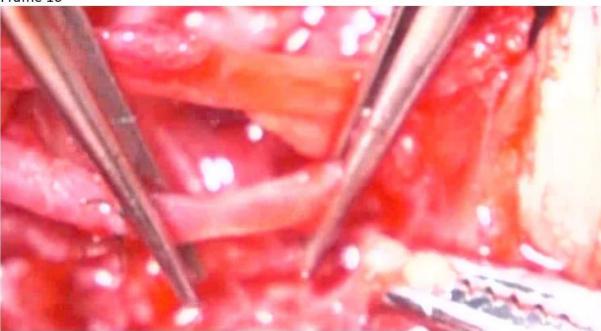


Fig. E-7

PATENCY TEST OF VASCULAR ANASTOMOSIS WITH ASSISTANCE OF HIGH-SPEED VIDEO RECORDING IN DIGIT REPLANTATION http://dx.doi.org/10.2106/JBJS.17.00494 Page 8

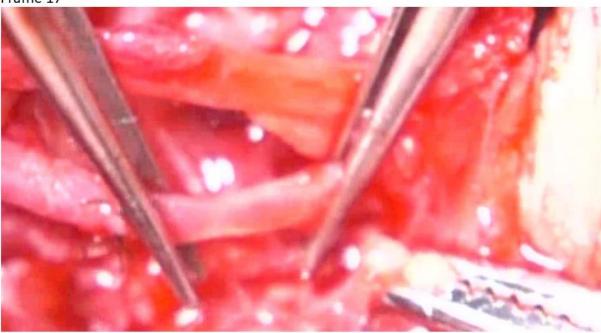


Fig. E-8

PATENCY TEST OF VASCULAR ANASTOMOSIS WITH ASSISTANCE OF HIGH-SPEED VIDEO RECORDING IN DIGIT REPLANTATION http://dx.doi.org/10.2106/JBJS.17.00494 Page 9

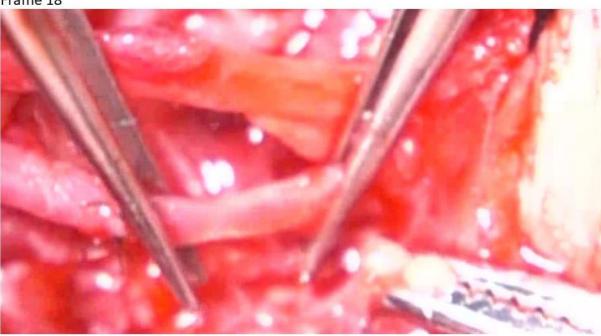


Fig. E-9

PATENCY TEST OF VASCULAR ANASTOMOSIS WITH ASSISTANCE OF HIGH-SPEED VIDEO RECORDING IN DIGIT REPLANTATION http://dx.doi.org/10.2106/JBJS.17.00494 Page 10

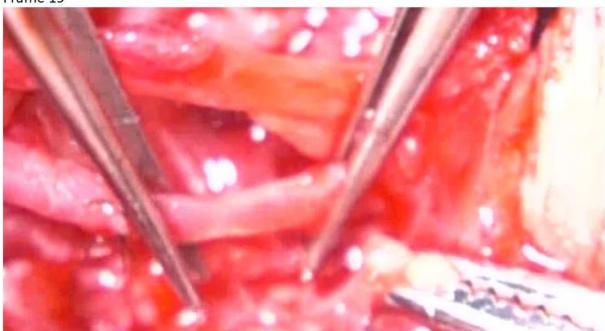


Fig. E-10

PATENCY TEST OF VASCULAR ANASTOMOSIS WITH ASSISTANCE OF HIGH-SPEED VIDEO RECORDING IN DIGIT REPLANTATION http://dx.doi.org/10.2106/JBJS.17.00494 Page 11

Frame 20 (end point)



Fig. E-11

PATENCY TEST OF VASCULAR ANASTOMOSIS WITH ASSISTANCE OF HIGH-SPEED VIDEO RECORDING IN DIGIT REPLANTATION http://dx.doi.org/10.2106/JBJS.17.00494 Page 12

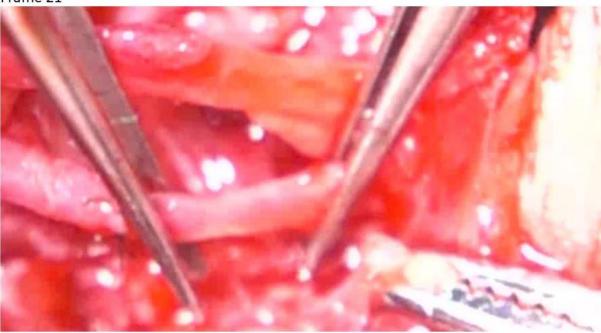


Fig. E-12