

- 1 / 22 -

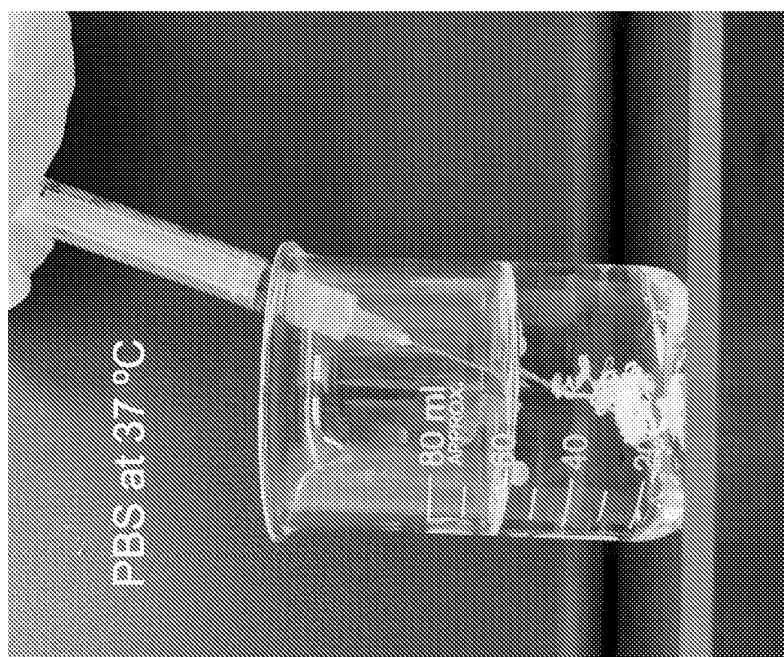
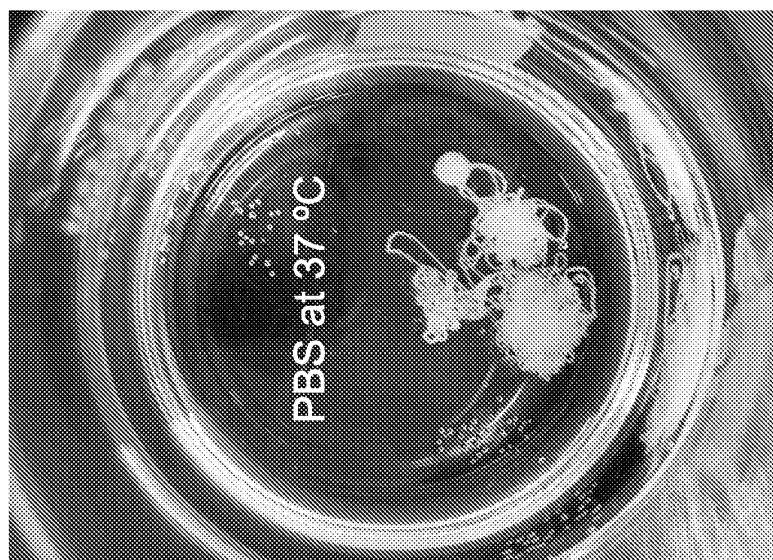


Figure 1a

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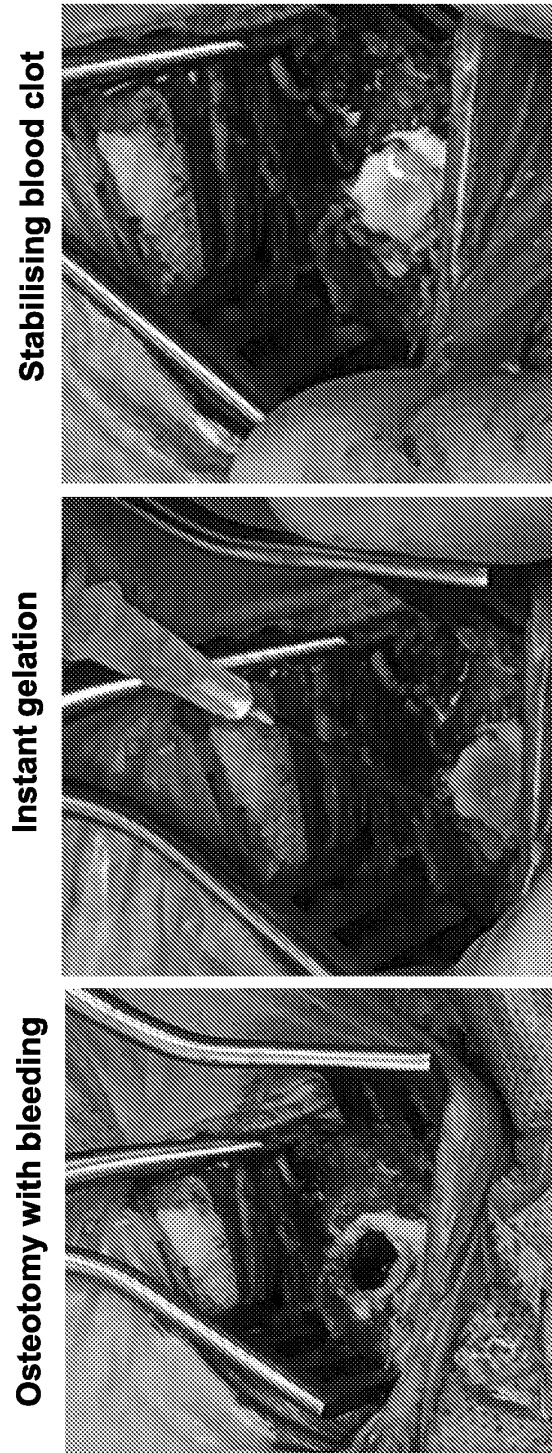


Figure 1b

- 3 / 22 -

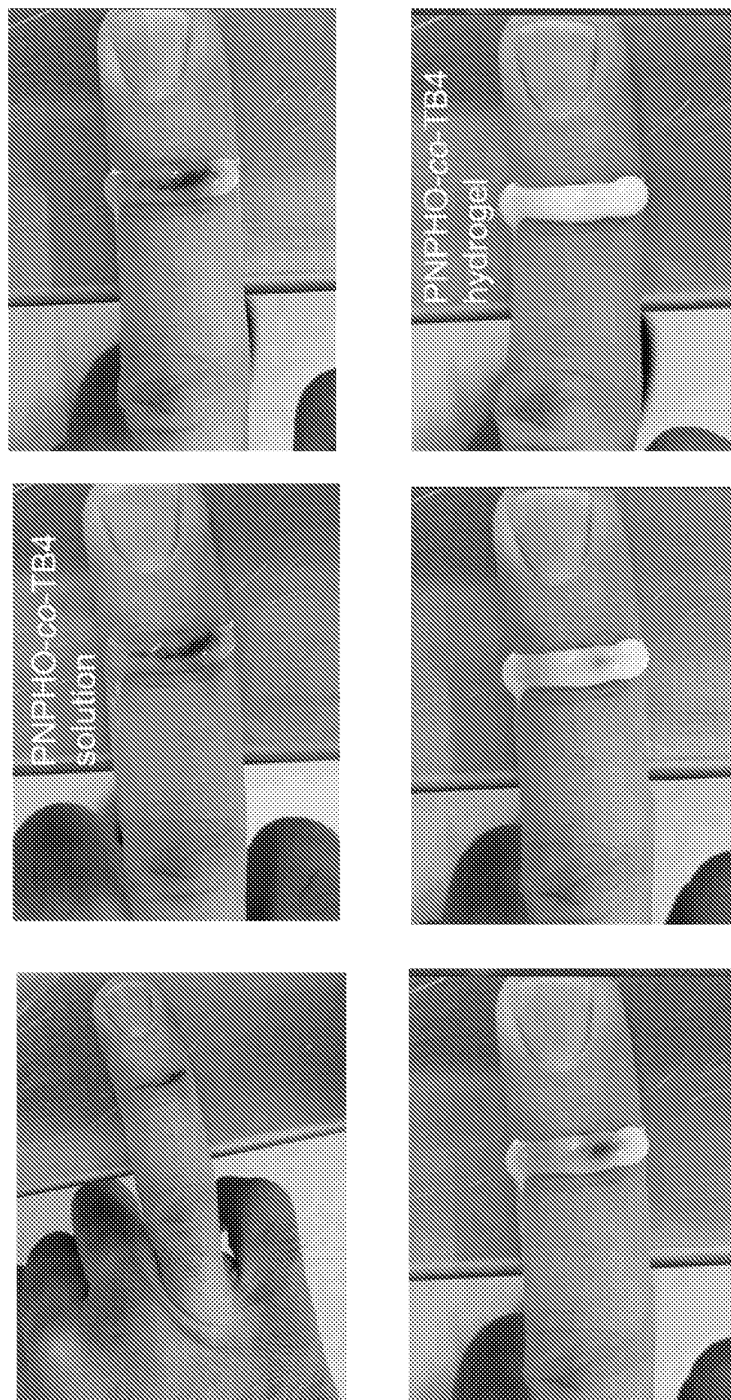
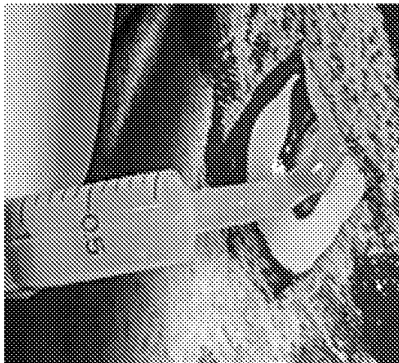
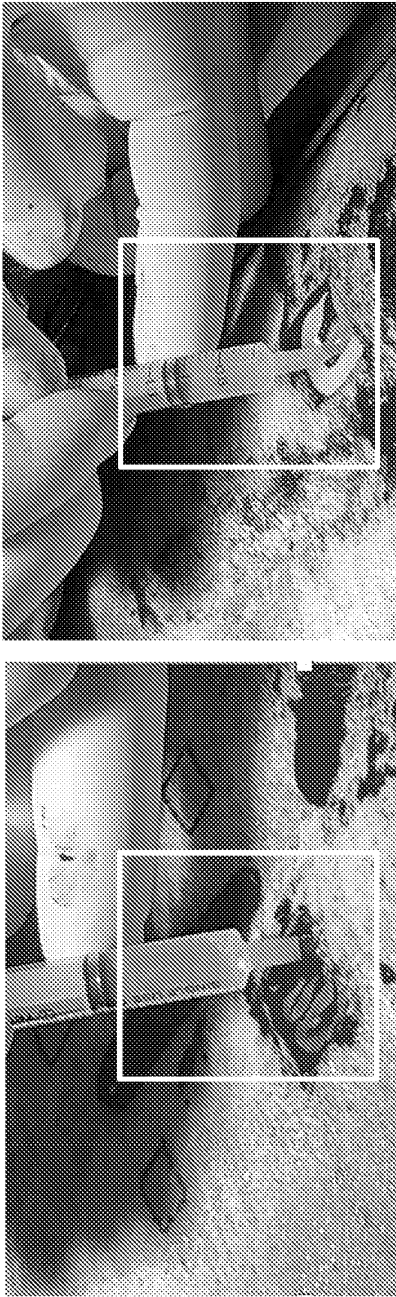


Figure 1c



Layer-by-layer filling and
adhesion to the site

Figure 1d



PNPHO-co-TB4 hydrogel formation
and mixture with blood

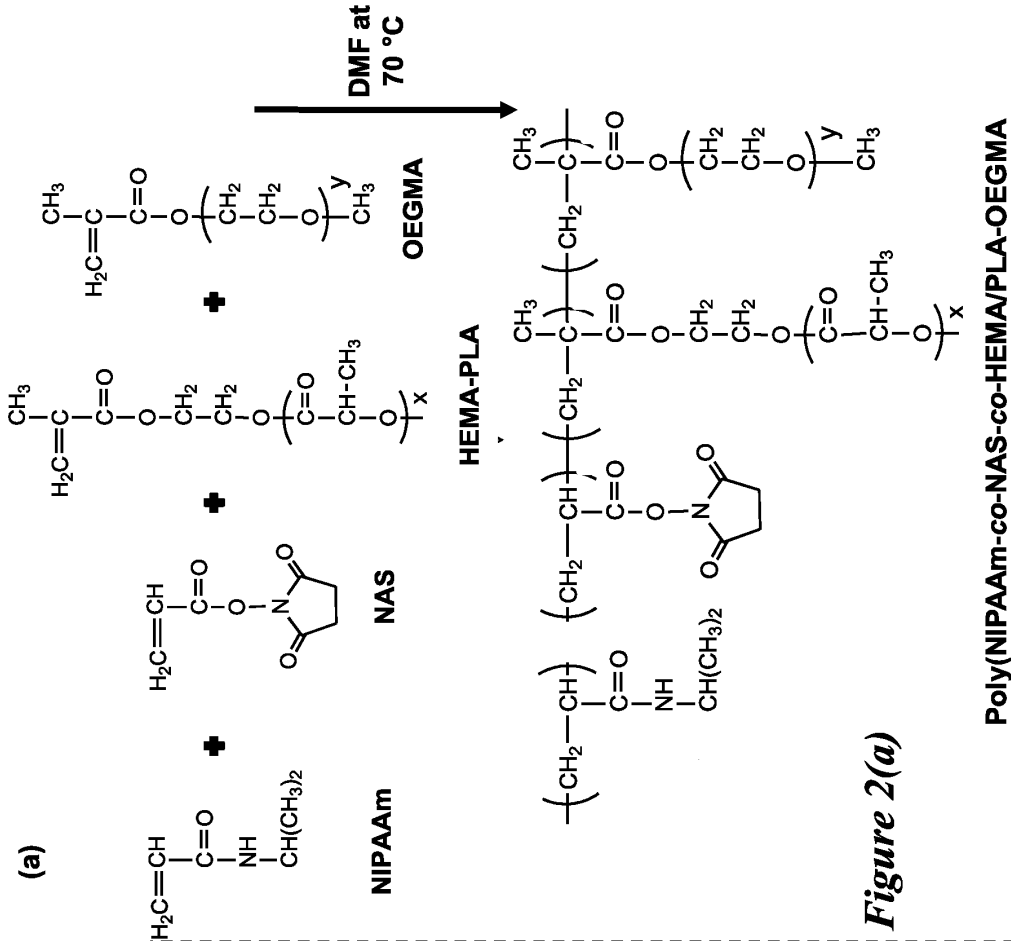
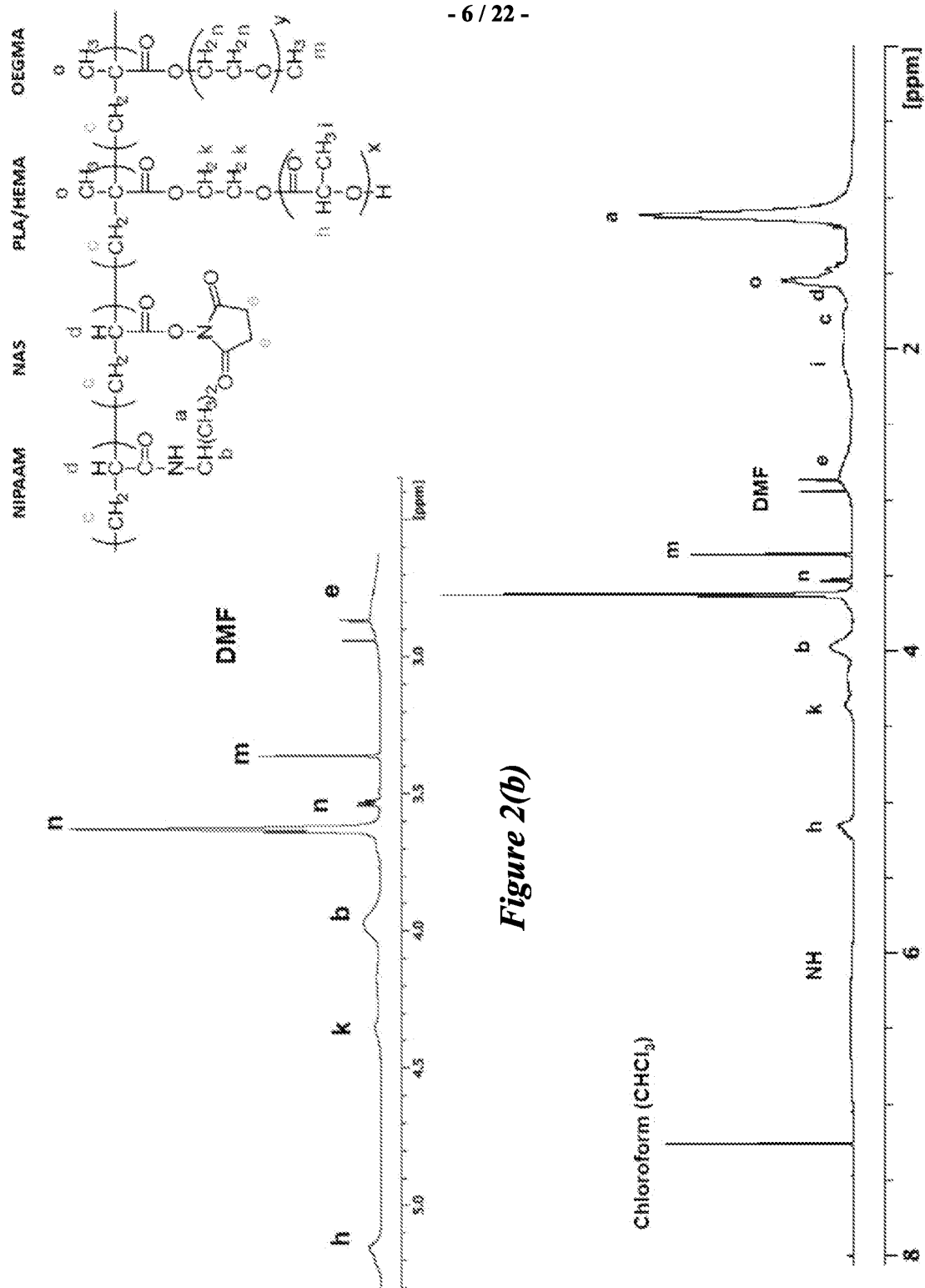


Figure 2(a)



Lactate number 3 in PLA/HEMA

$p > 0.05$

Lactate number 6 in PLA/HEMA

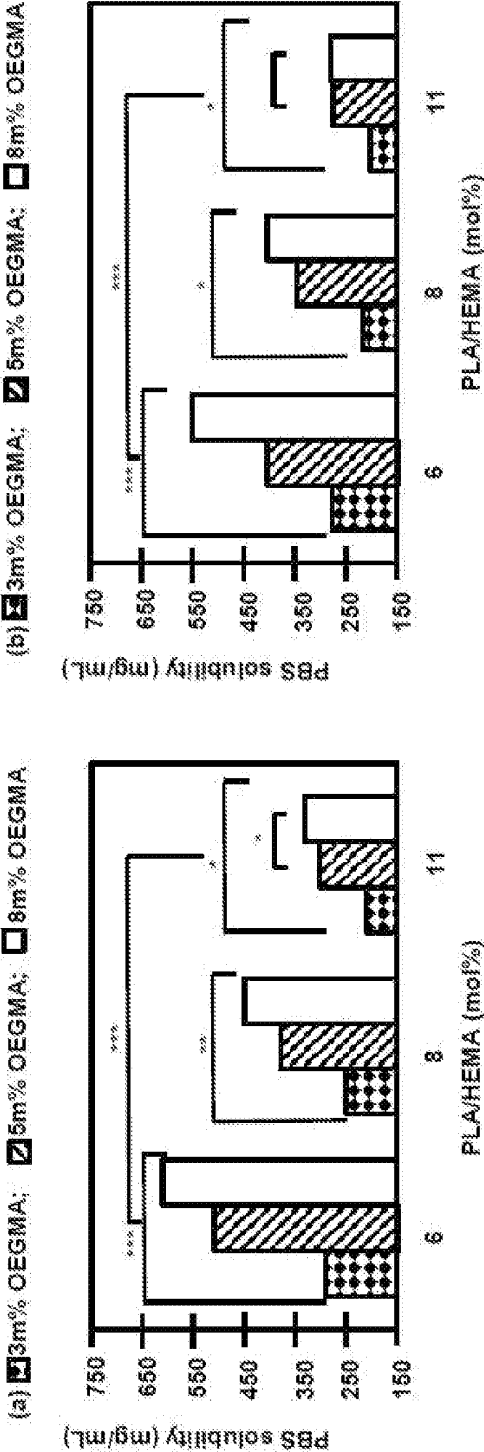


Figure 3

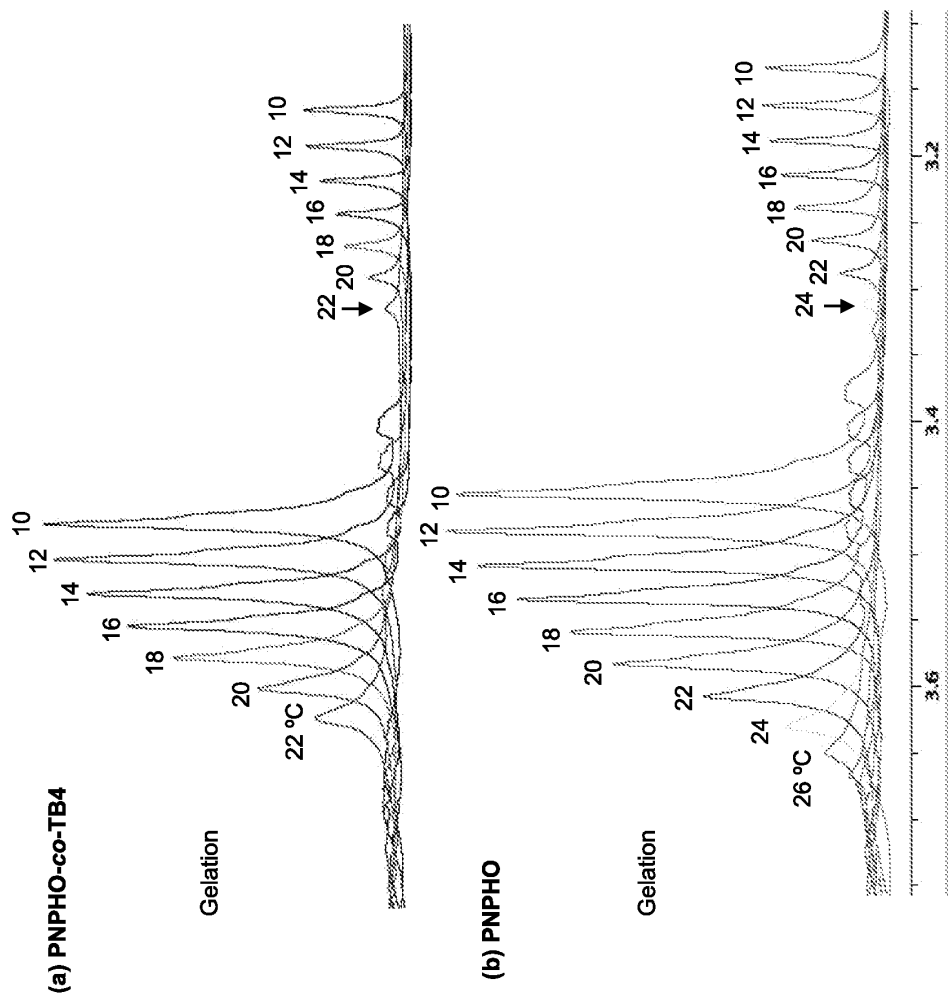


Figure 4

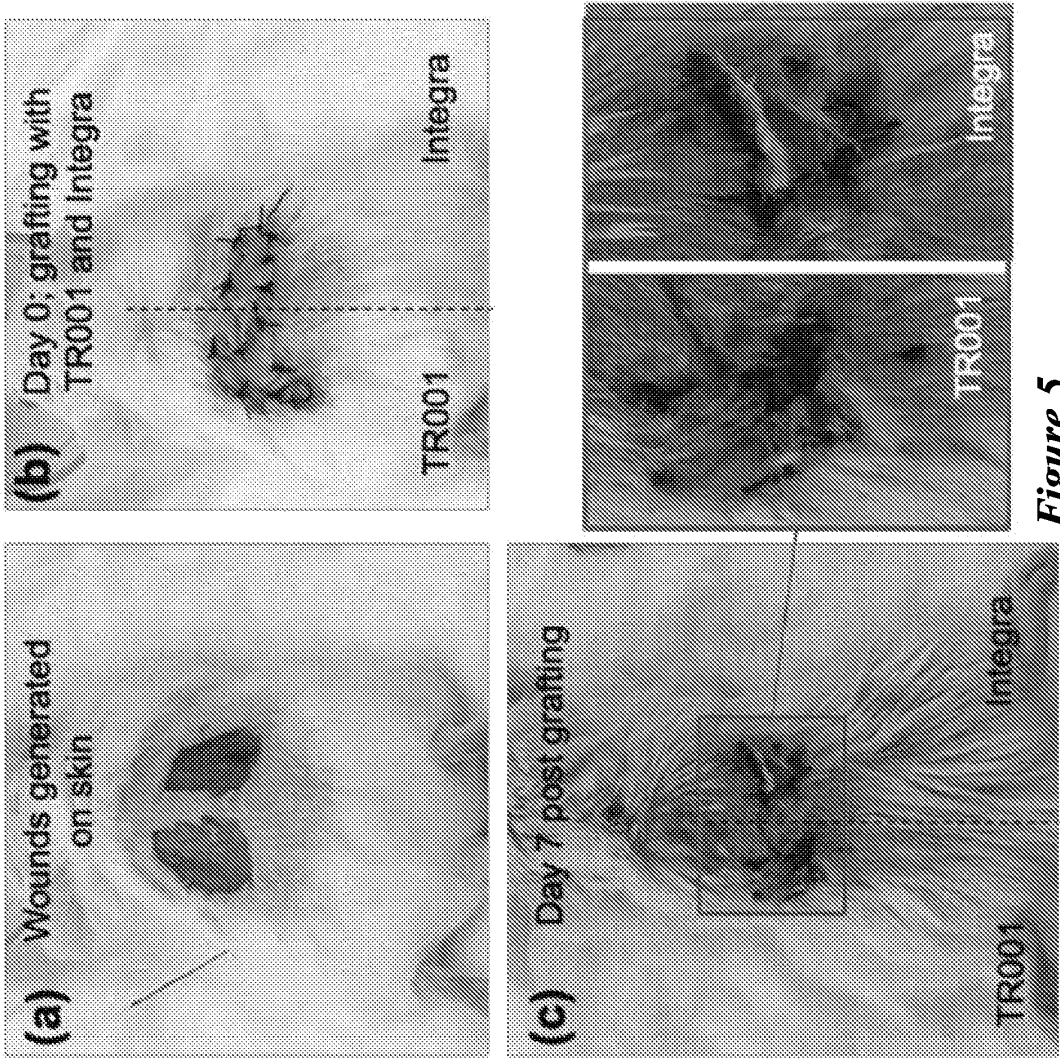
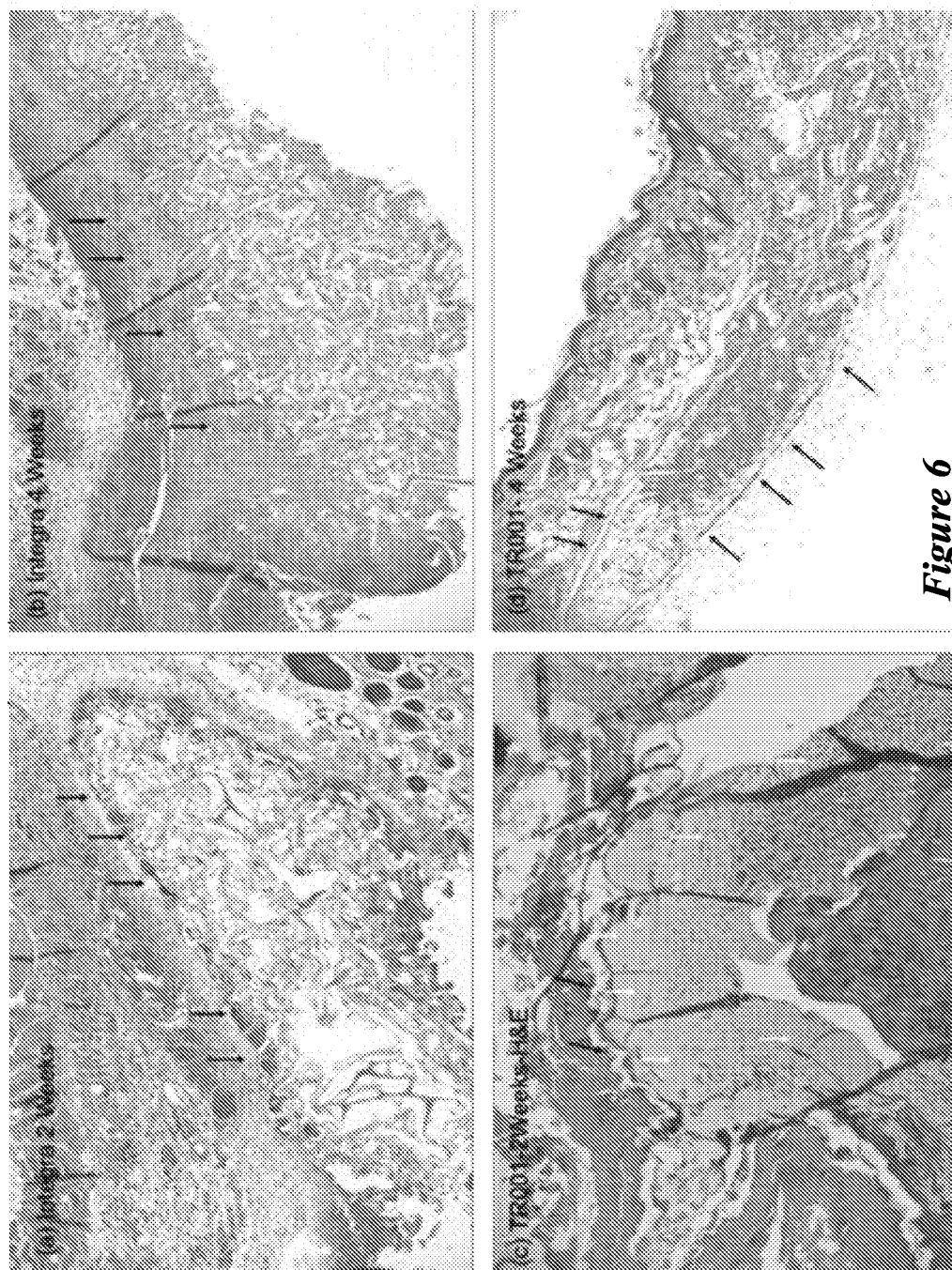


Figure 5

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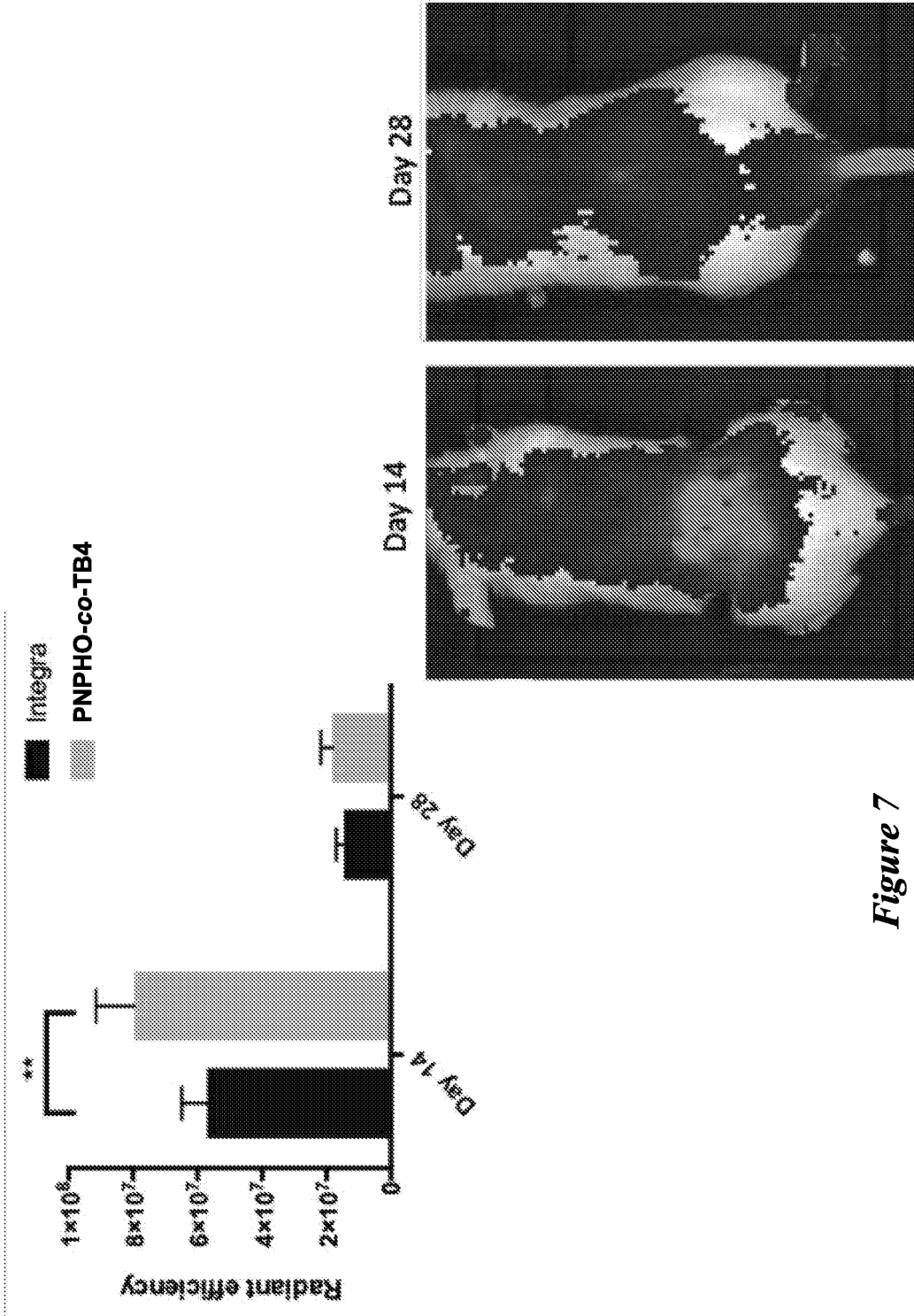


Figure 7

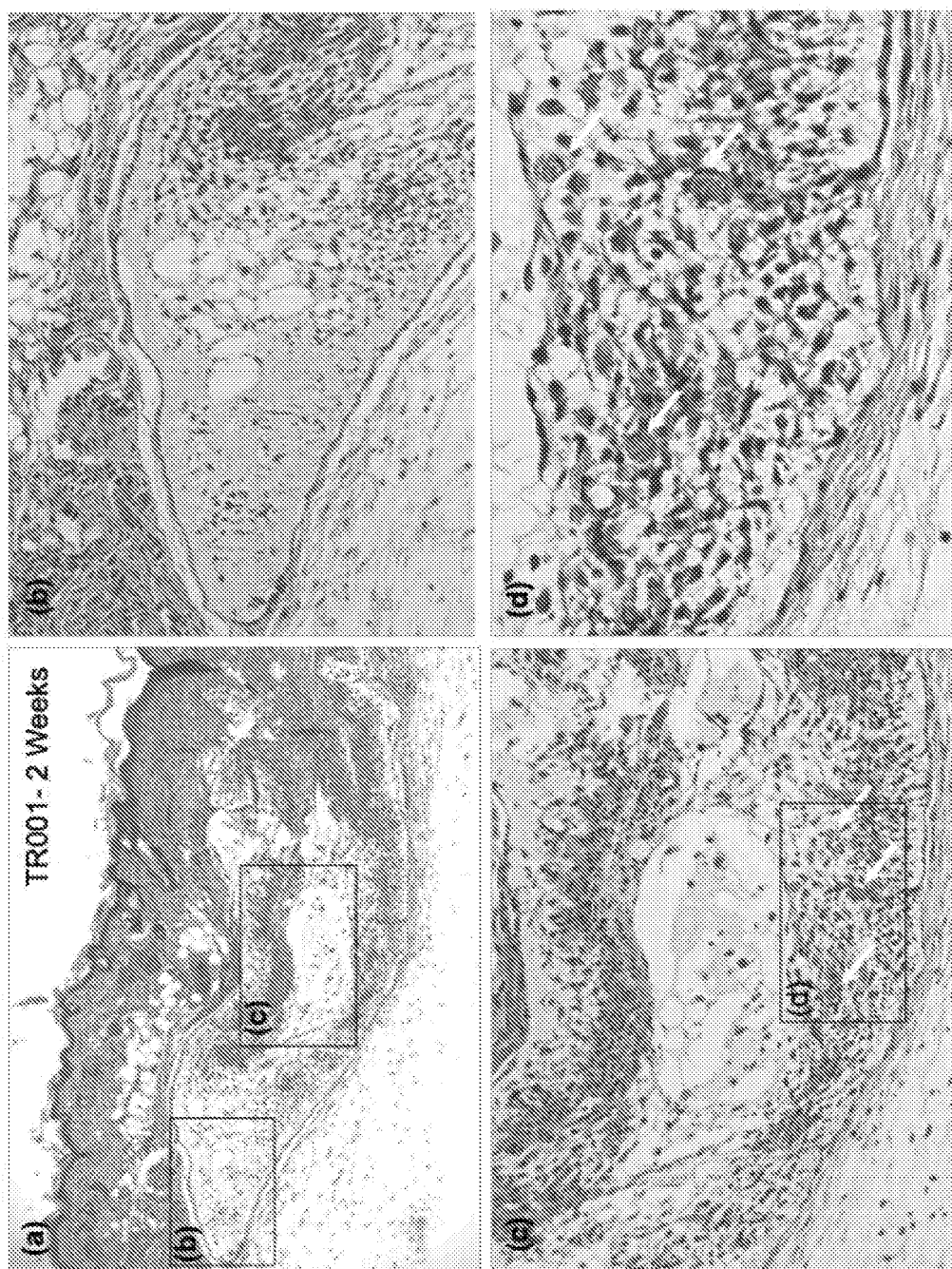


Figure 8

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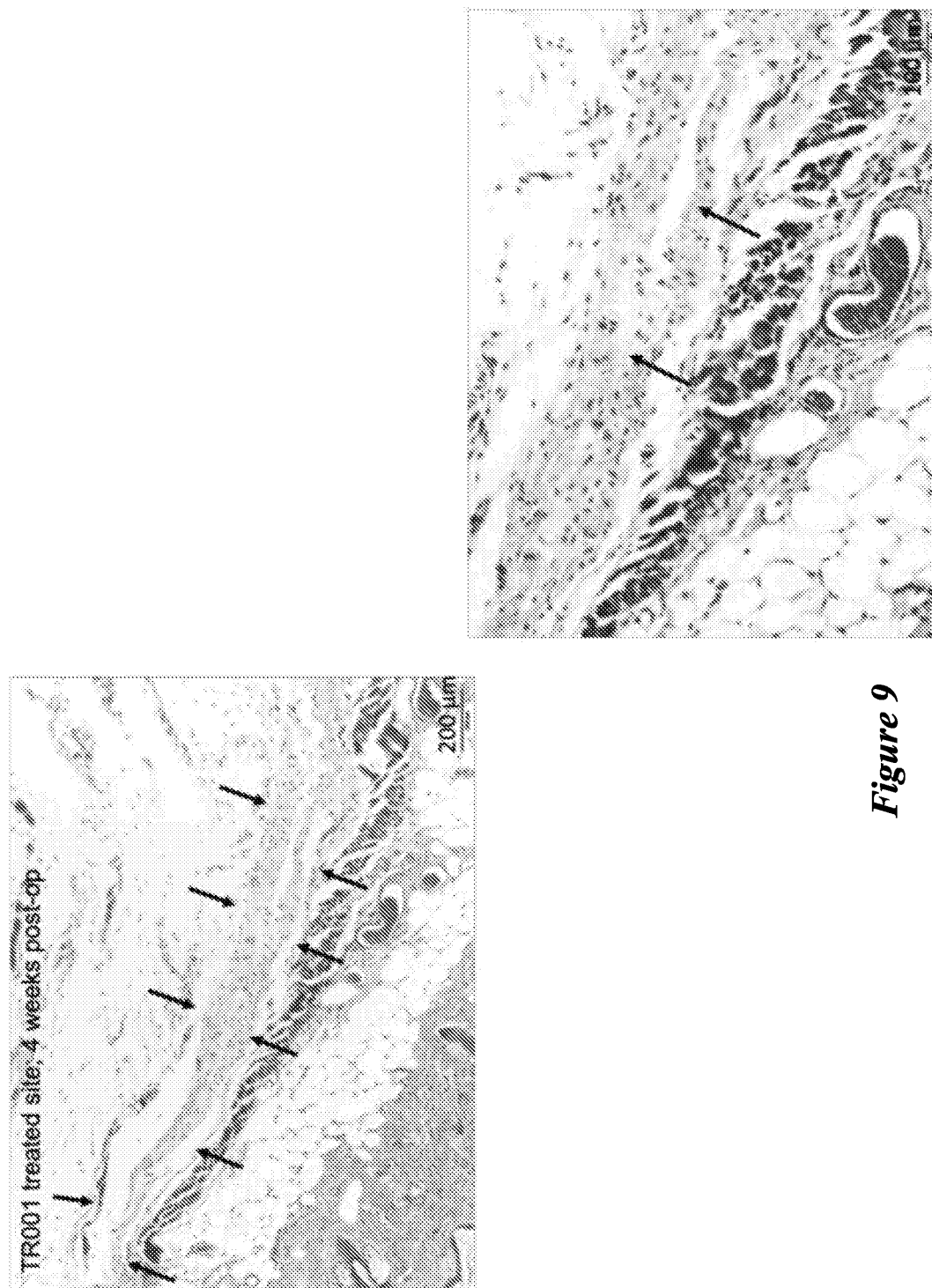


Figure 9

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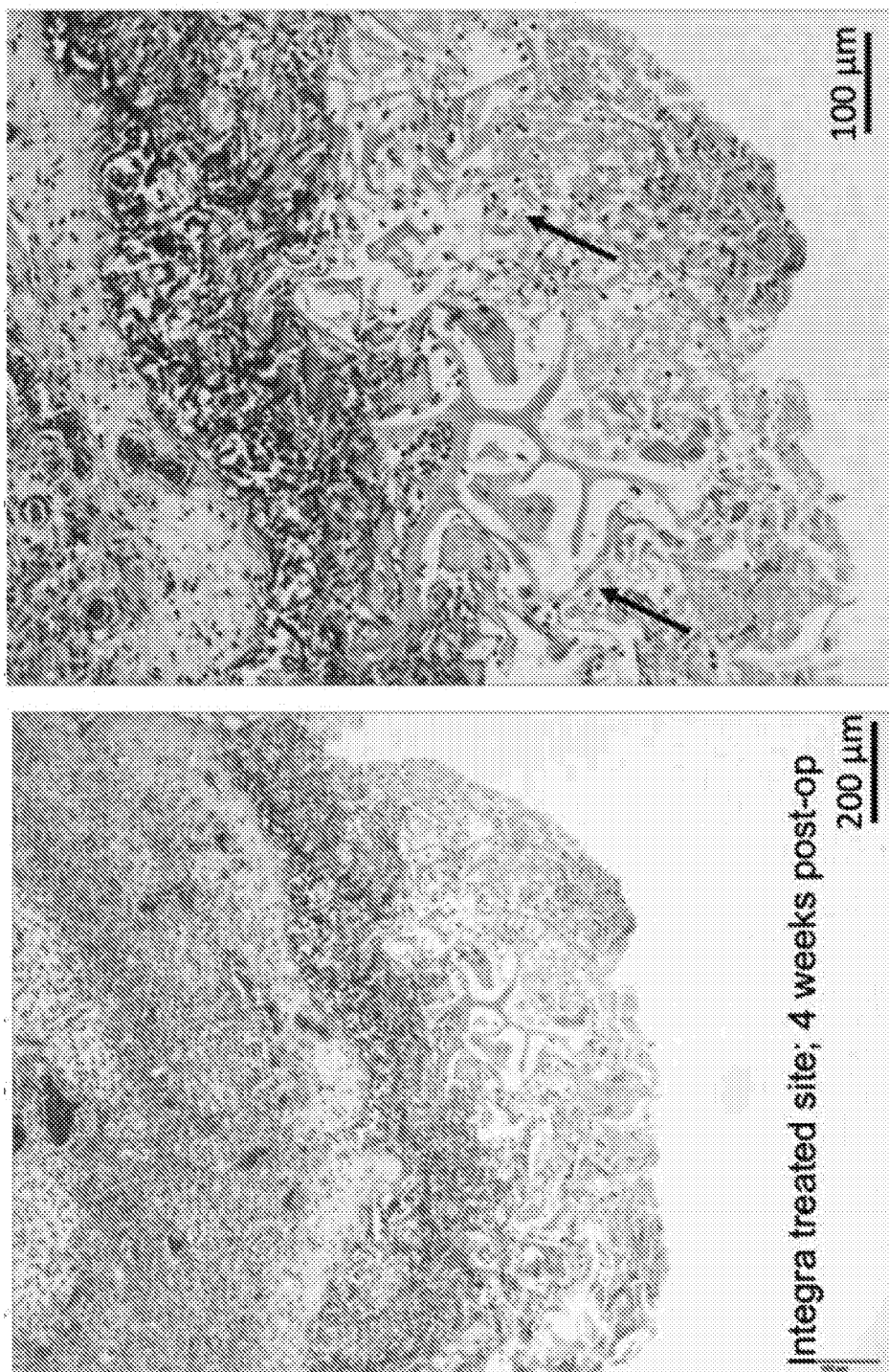


Figure 10

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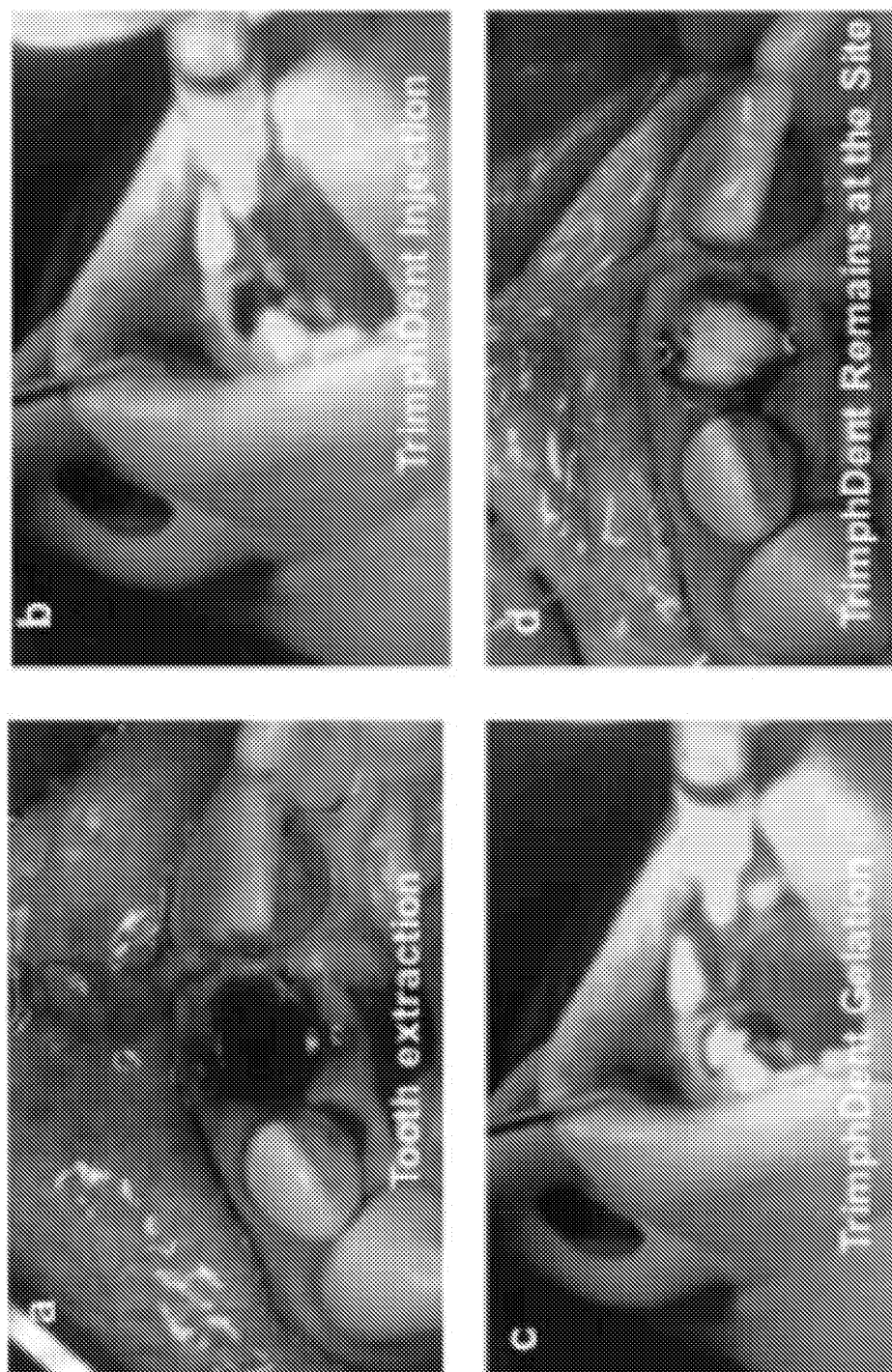


Figure 11

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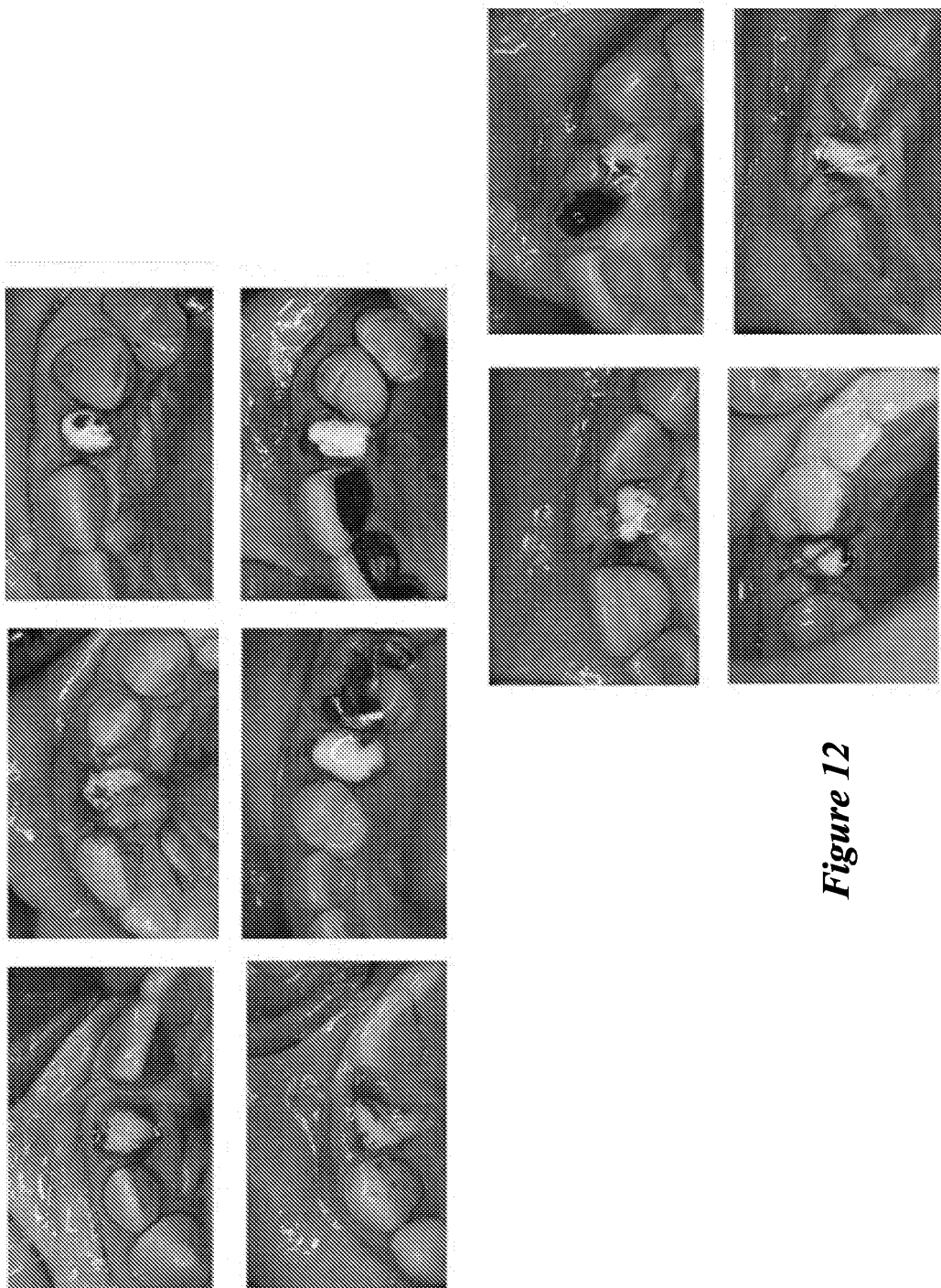


Figure 12

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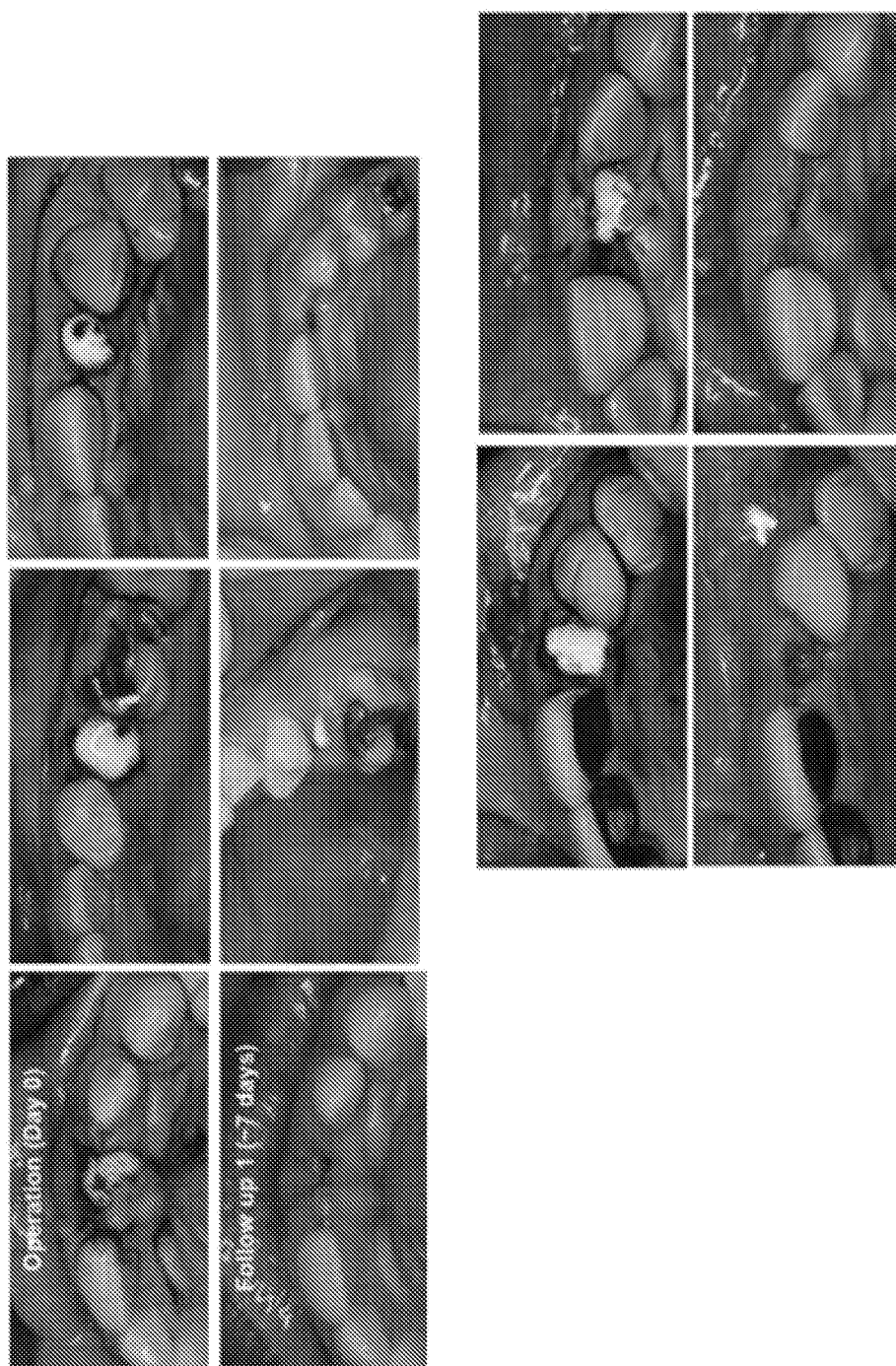


Figure 13

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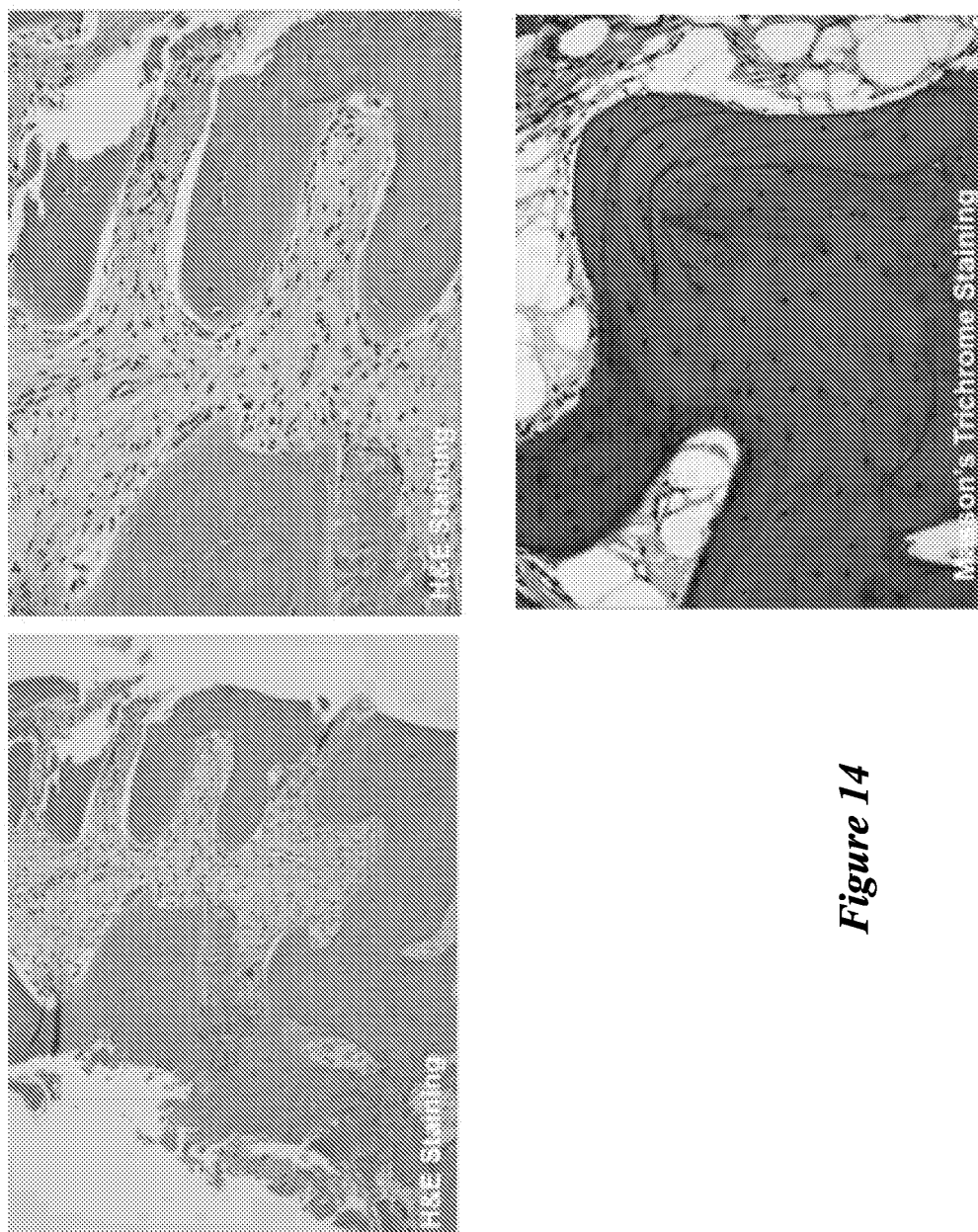


Figure 14

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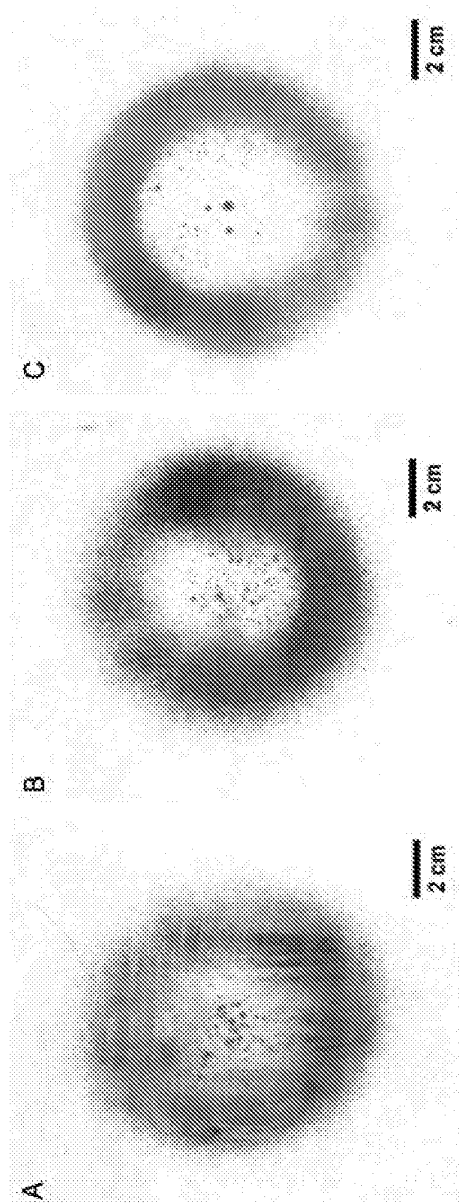


Figure 15

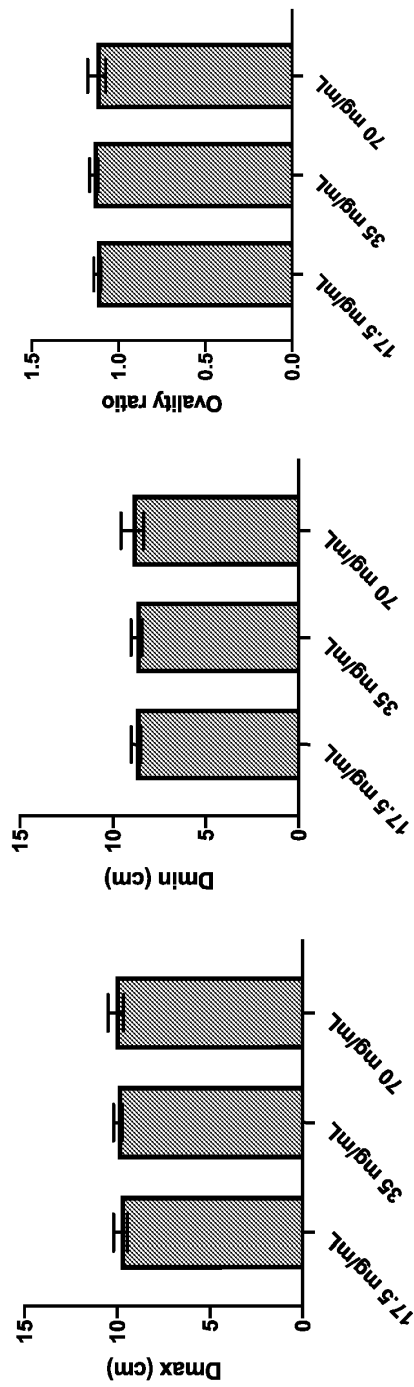
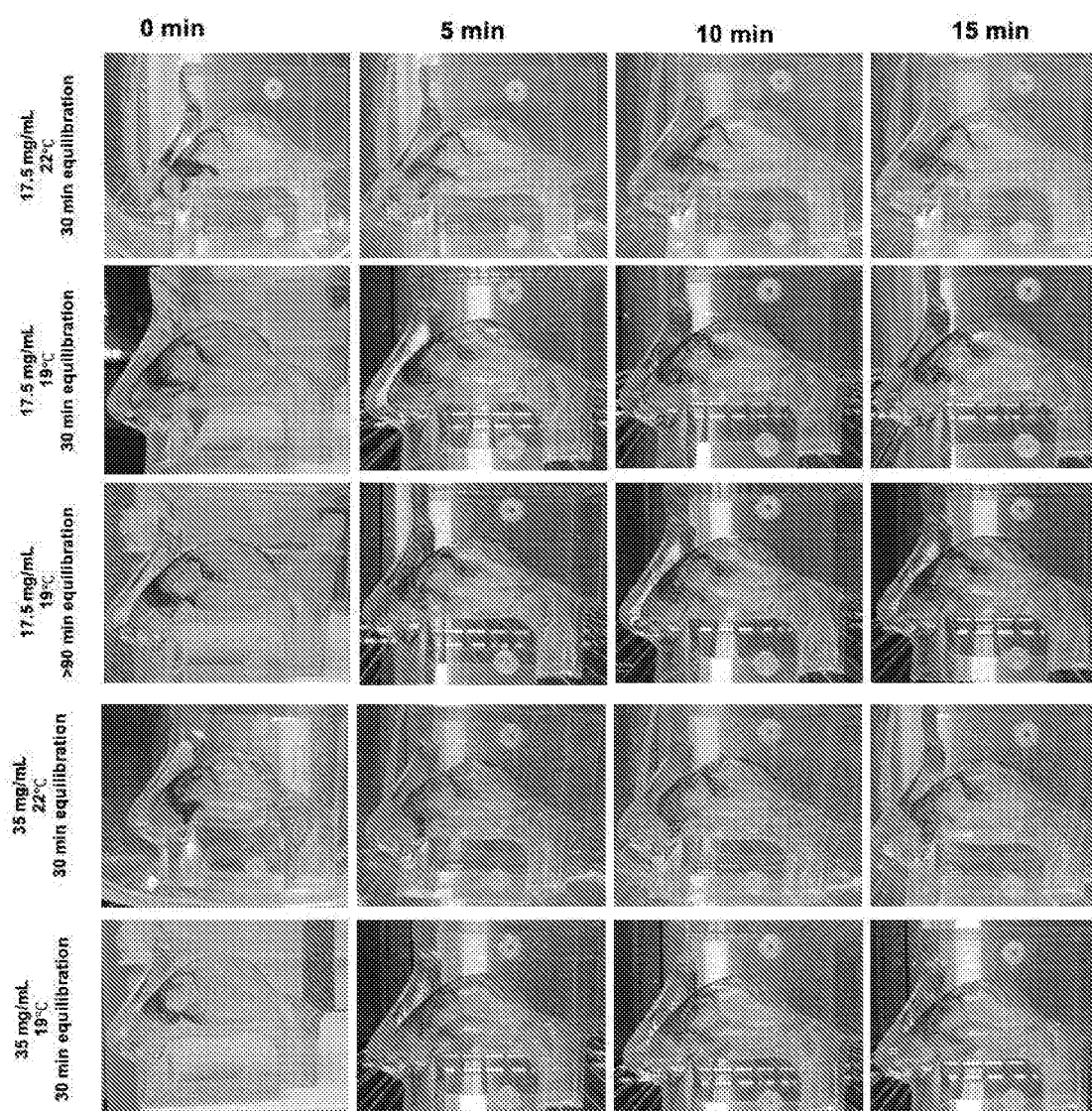


Figure 16

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*Figure 17*

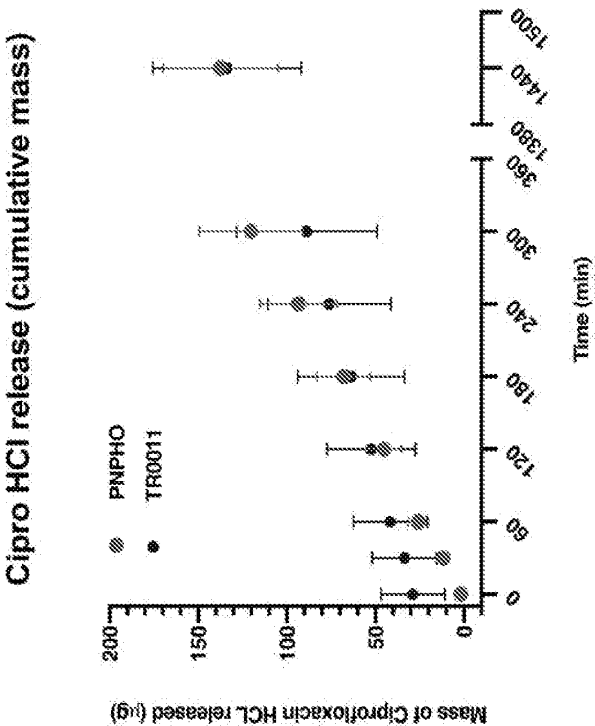


Figure 18