

Bivalve Casting

Benefits of Total Contact Casting while allowing Home Health access for dressing changes and minimizing cost









Case Study #1

06/14/2023 Wound #1 initial visit Plantar right great toe 2.0 x 2.0 x 0.5 cm

06/14/2023 Gentian violet/

methylene blue

08/03/2023 Cadexomer iodine 09/12/2023 . Honey alginate



12/13/2023 Bivalve casting initiated Collagen and Nano crystal silver **12/13/2023** 1.3 x 0.7 x 0.3 cm. **01/03/2024** 0.1 x 0.1 x 0.1 cm

01/22/2024 Resolved with cast in 68 days. Decreased 4.8 sq. cms







Case Study #2

04/15/2023 TMA site amp 07/17/2023 Wound #1 initial visit **Left TMA site plantar surface lateral foot** 4.5 x 3.0 x 1.5 cm Cadexomer iodine



08/14/2023.

08/14/2023 Wound #2 1.0 x 1.0 x 1.5 cm

08/28/2023. NPWT initiated

09/18/2023. Wound #11.6 x 2.4 x 0.3 cm

09/18/2023 # 2 resolved with cast in 35 days. Decreased 1.0 sq. cms

10/16/2023... NPWT discontinued

12/11/2023. Wound #1 0.8 x 1.5 x 0.5 cm

> **Bivalve cast discontinued** orthotic felt to off-load.

biologics started

Wound #1 0.5 x 0.8 x 0.3 cm 01/15/2024. 4th application of biologic

01/15/2024 #1 Significant improvement in 120 days. Decreased 6.8 sq. cms



Case Study #3

06/21/2023 Wound #1 initial visit Left 4th plantar metatarsal head MTH

 $0.5 \times 0.5 \times 1.6$ probes near bone Dressing - nanocrystal silver dressing all wounds

06/21/2023 Wound #2 midfoot plantar 3rd MTH

2.0 x 1.8 x 1.3 tunnels at 1 and 3 o'clock, connects to wound #3

Wound #3 left forth plantar surface MTH

0.8 x 1.2 x 1.5 cm probes near to bone tunnels to wound #2

06/23/2023 Bivalve casting initiated

0.5 x 0.5 x 1.6 cm 06/23/2023. 07/25/2023 #1 0.1 x 0.1 x 0.1 cm

granulation tissue

#2 0.5 x 0.5 x 0.3 cm 07/25/2023

tunnel 0.5cm granulation

tissue

#3 0.7 x 1.0 x 0.5 cm 07/25/2023

granulation tissue no tunneling

08/11/2023 Bivalve casting discontinued

08/11/2023 #1 0.1 x 0.1 x 0.1 cm 08/11/2023... ... #2 0.1 x 0.2 x 0.1 cm **08/11/2023**...... #3 0.5 x 0.5 x 0.2 cm

08/11/2023 All 3 resolved in 80 days. **Decreased 6.5 sq. cms**





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References

