

CERAMENT® G

with Gentamicin

CASE REPORT

Medical Education Series

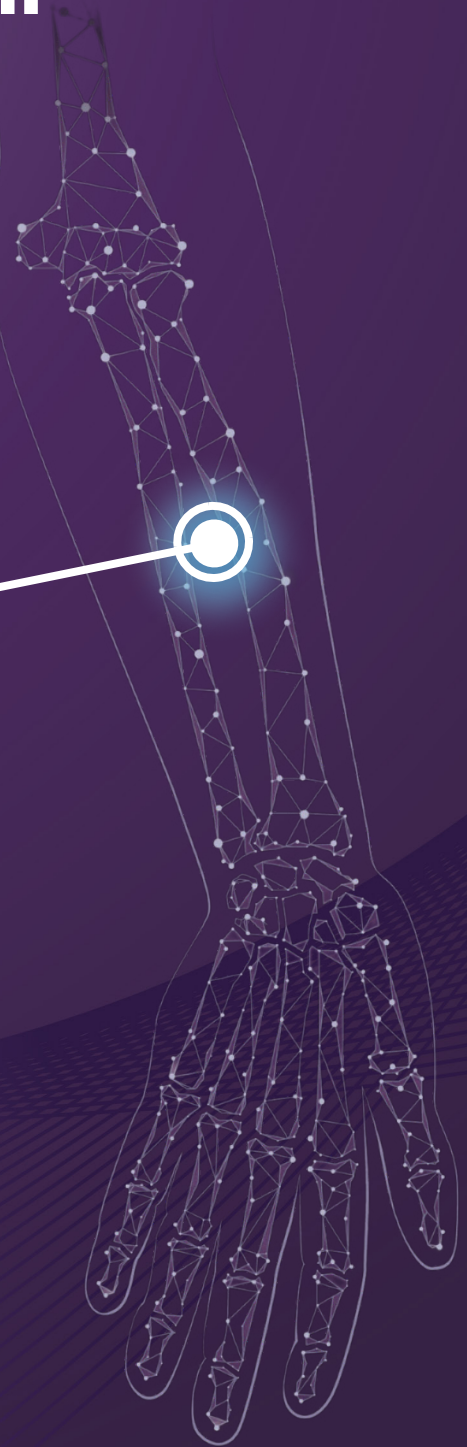
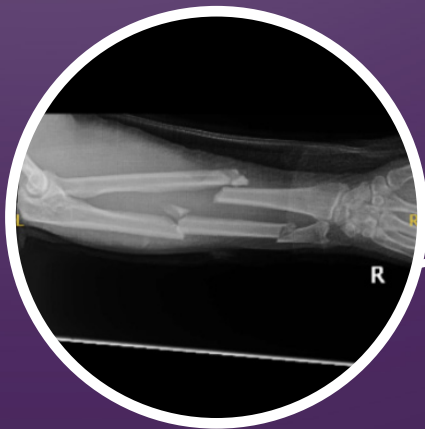
Open Fracture - Forearm

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Level 1 Trauma Center

Miami, FL



OPEN FRACTURE - FOREARM

PATIENT HISTORY

A 35 year old male came in as a level one trauma alert, from a motorcycle accident, suffering from a Grade II open fracture of the radius and ulna.

DIAGNOSIS

Grade II open fracture of the radius and ulna.

TREATMENT

Patient underwent irrigation and debridement followed by ORIF. Due to the segmental nature of the fractured ulna, an additional mini fragment plate to the ulna was used as well. CERAMENT G with Gentamicin was injected into the resulting bone voids.

HARDWARE

- 3.5 mm small fragment plates
- 2.7mm mini fragment plate

SYSTEMIC ANTIBIOTICS

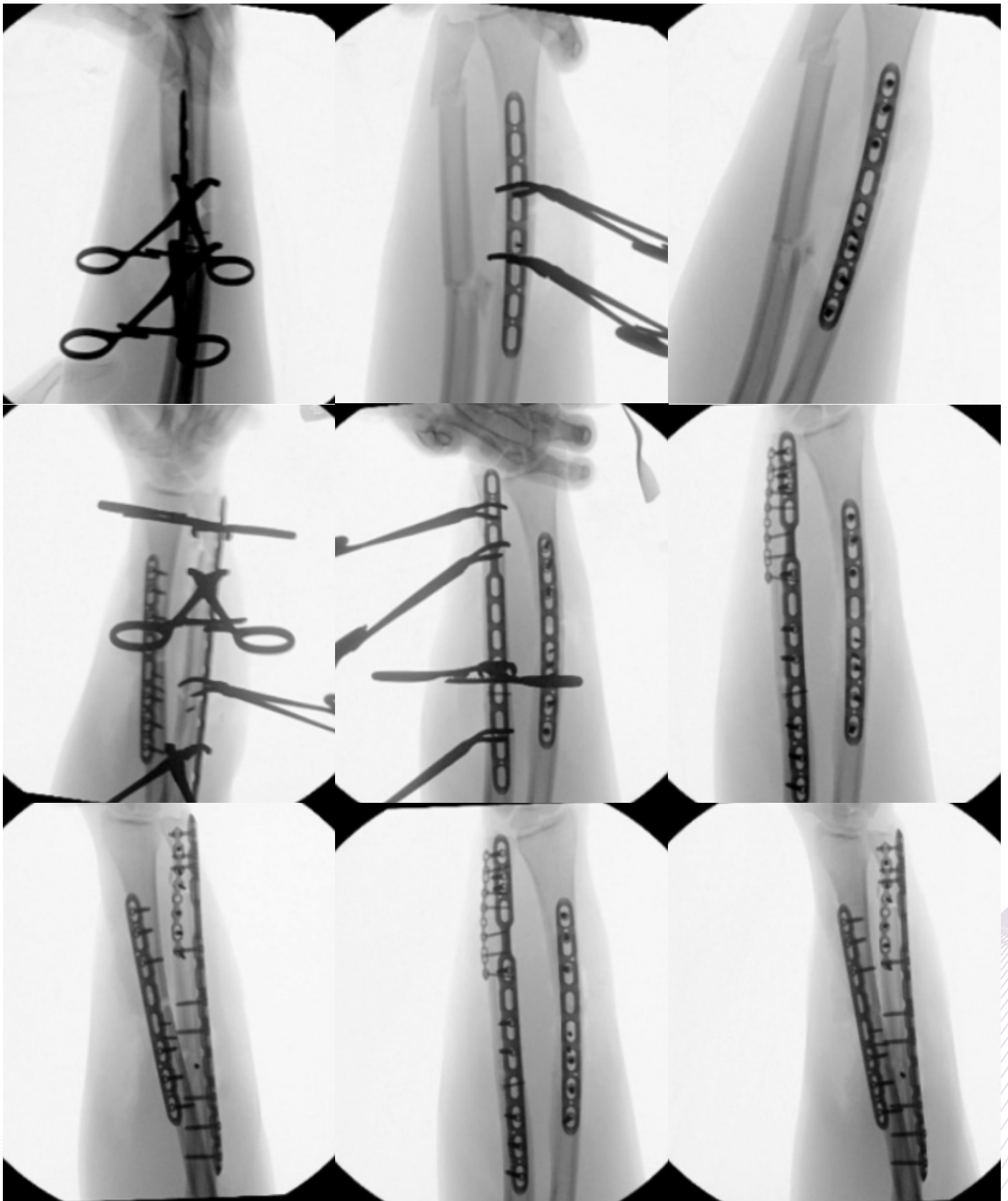
48 hours of ceftriaxone post-operatively.

OUTCOME

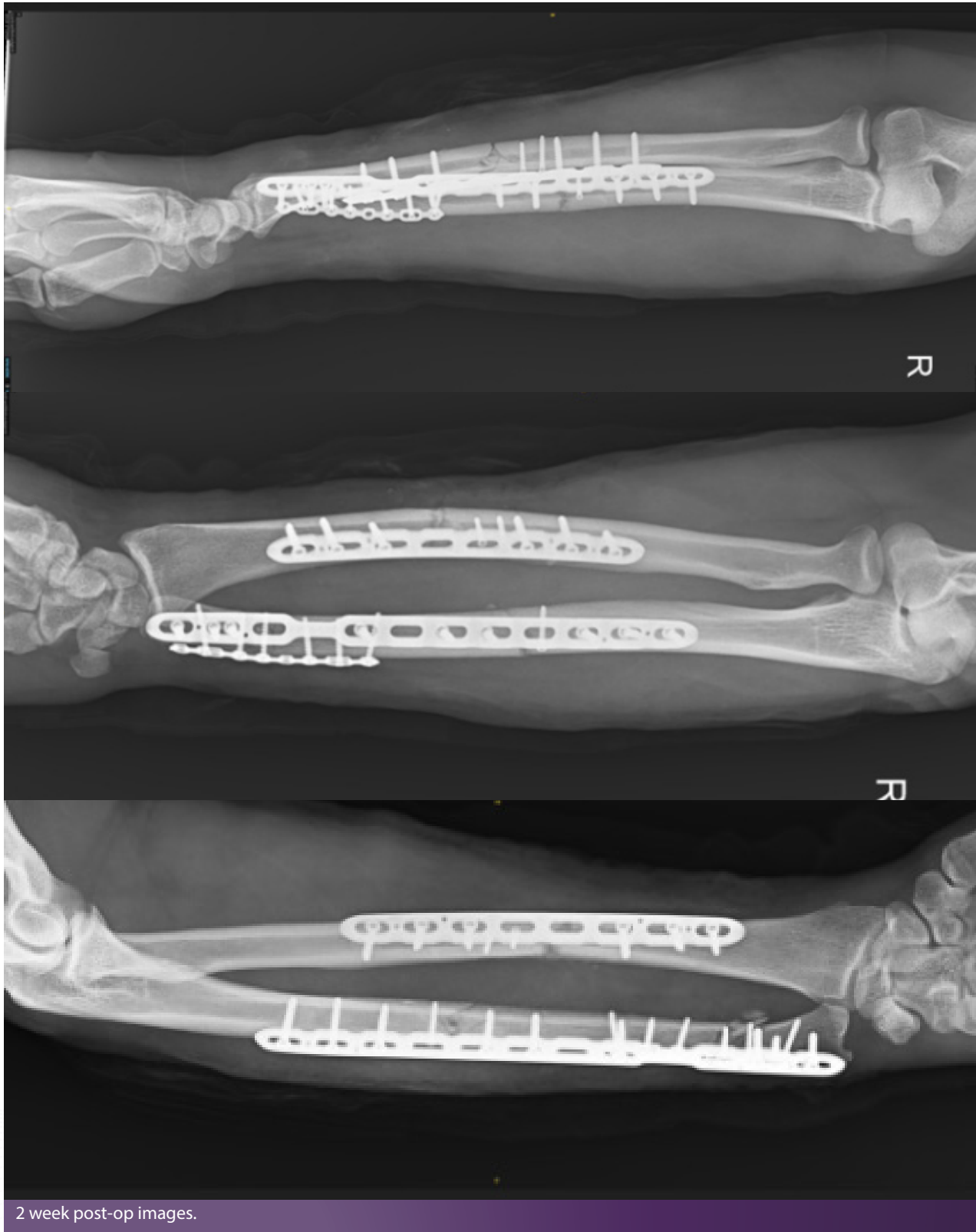
Early follow-up shows good healing with additional follow-up in the future.



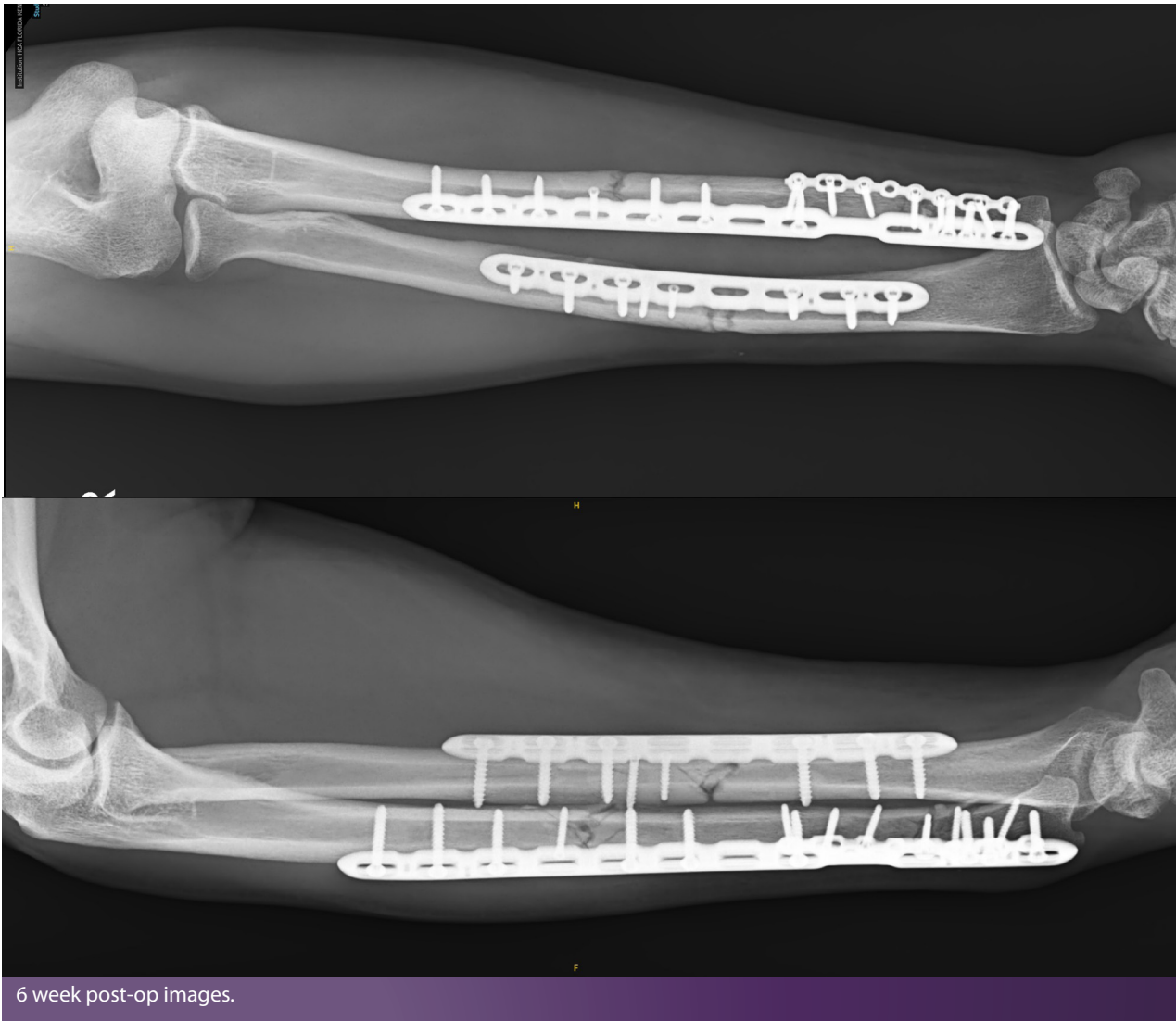
Pre-op images: Grade II open fracture of the radius and ulna.



Intra-op images: Internal fixation of the radius followed by the ulna and injection of CERAMENT G in resulting bone voids.



2 week post-op images.



6 week post-op images.

Advancing Osteomyelitis Management

- Bone remodeling to promote and protect bone healing¹
- Local antibiotic elution that is safe, consistent and clinically significant²



1. Ferguson et al. 'Radiographic and Histological Analysis of a Synthetic Bone Graft Substitute Eluting Gentamicin in the Treatment of Chronic Osteomyelitis'. J. Bone Joint Infect. 2019; 4(2): 76-84.

2. Stravinskas et al. 'Pharmacokinetics of gentamicin eluted from a regenerating bone graft substitute - In vitro and clinical release studies'. Bone Joint Res. 2016; 5:427-435

TO ORDER

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