

# CASE STUDY: Cellulitis / Oedema comparing VIBRO-PULSE™ to standard treatment.



## SUMMARY:

- Mrs. G 80 years old and Mr A 74 years old both lower right leg Cellulitis.
- Mrs. G treatment antibiotics compared to Mr A antibiotics and VIBRO-PULSE.
- Mrs G antibiotics alone Cellulitis still noted DAY 12.
- Mr A antibiotics and VIBRO-PULSE resolved DAY 4.

## STANDARD TREATMENT

**PATIENT INFORMATION:** Mrs G is 80 years old with a history of hypertension.

**CELLULITIS:** of the right leg. **OEDEMA:** The leg was swollen circumference of the calf 34cm, thigh 43cm. **PAIN:** Pain was level 2 (1=mild to 5 =excruciating)

**STANDARD TREATMENT:** IV and oral antibiotics IV 1.2gm Benzylpenicillin and 1gm Flucloxacillin QDS.

**DAY 7:** **CELLULITIS:** 50% reduction in erythema / Cellulitis. **OEDEMA:** 3% reduction. Circumference calf 32.5cm thigh 42.5cm. **PAIN:** Pain was level 1 (1=mild to 5 =excruciating).

**DAY 12:** **CELLULITIS:** It was noted erythema was still present and the foot remained swollen causing movement difficult.

## COMPARED TO: VIBRO-PULSE™

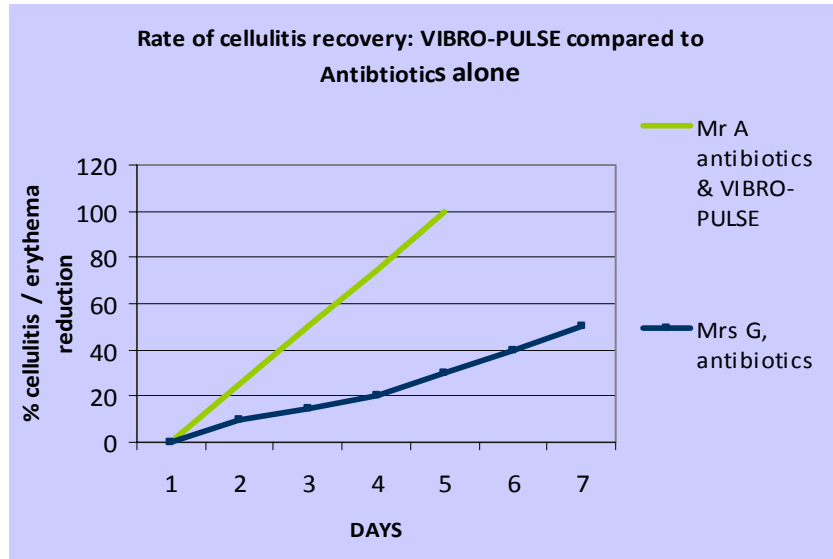
**PATIENT INFORMATION:** Mr A is 74 years old with a history of Ischemic Heart disease, venous and arterial disease.

**CELLULITIS:** of the right leg **OEDEMA:** The leg was swollen circumference of the calf 43cm, thigh 66cm. **PAIN:** Pain was level 3 (1=mild to 5 =excruciating)

**STANDARD TREATMENT:** commenced IV and oral antibiotics IV 1.2gm Benzylpenicillin and 500mg Flucloxacillin. QDS. **PLUS VIBRO-PULSE™: Cycloidal Vibration Therapy:** 3 x a day for 30 minutes per treatment on the lower leg.

**DAY 4 of VIBRO-PULSE™:** **CELLULITIS:** 100% reduction in erythema / Cellulitis. **OEDEMA:** 7% reduction. Circumference calf 41cm thigh 60cm. **PAIN:** Pain was level 0 (1=mild to 5 =excruciating).

**SUMMARY:** Mrs G still had cellulitis at day 12. Using VIBRO-PULSE patient Mr A had 100% reduction by day 4. VIBRO-PULSE can reduce cellulitis treatment time by 50% or more when used in conjunction with antibiotic treatment.



Mrs G: Antibiotics alone only 50% cellulitis / oedema reduction day 7



Mr A: Antibiotics and VIBRO-PULSE 100% cellulitis / oedema reduction day 4.

