

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



## SUMMARY:

- Mrs. H 62 years old and Mr B 64 years old both had lower leg Cellulitis.
- Mrs. H treatment antibiotics compared to Mr B antibiotics and VIBRO-PULSE.
- Mrs. H antibiotics alone 50% Cellulitis reduction DAY 7.
- Mr B antibiotics and VIBRO-PULSE 100% reduction DAY 6.

### STANDARD TREATMENT

**PATIENT INFORMATION:** Mrs. H is 62 years old, history of ischemic heart disease, hypertension and arthritis

**CELLULITIS:** of the left leg. **OEDEMA:** circumference of the, ankle 25.5cm calf 35cm, thigh 38cm. **PAIN:** Pain was level 4 (1=mild to 5 =excruciating)

**STANDARD TREATMENT:** IV and oral antibiotics IV 1gm Flucoxacillin QDS.

**DAY 7: CELLULITIS:** 50% reduction in erythema / Cellulitis. **OEDEMA:** 6% reduction. Circumference ankle 23cm calf 32 cm thigh 38 cm. **PAIN:** Pain was level 2 (1=mild to 5 =excruciating).

**DAY 9:** It was noted that the foot and ankle area remained red and swollen.

### COMPARED TO: VIBRO-PULSE™

**PATIENT INFORMATION:** Mr B is 64 years old with a history of COPD.

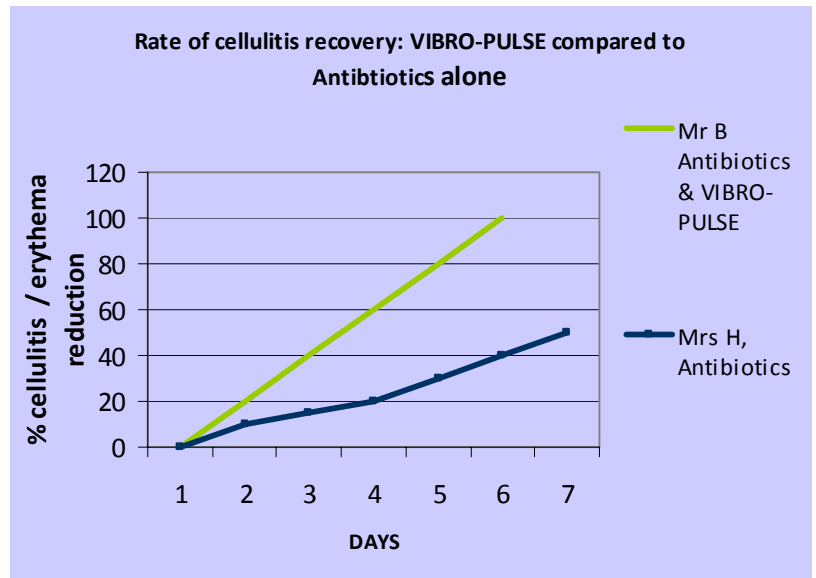
**CELLULITIS:** right leg **OEDEMA:** swollen circumference of the ankle 22cm calf 35cmcm, thigh 50cm. **PAIN:** Pain was level 1 (1=mild to 5 =excruciating)

**STANDARD TREATMENT:** commenced IV and oral antibiotics IV 1.2gm Benzylpenicillin and 1gm Flucloxacillin. QDS. **PLUS VIBRO-PULSE™: Cycloidal Vibration Therapy:** 3 x a day for 30 minutes per treatment on the lower leg.

**DAY 6 of VIBRO-PULSE™: CELLULITIS:** 100% reduction in erythema / Cellulitis. **OEDEMA:** 9% reduction. Circumference ankle 21cm calf 34cm thigh 43cm. **PAIN:** Pain was level 0 (1=mild to 5 =excruciating).

**SUMMARY:** Mr B 100% cellulitis reduction by **DAY 6**. Lipodermatosclerosis prevents patients legs from being a normal colour. On **DAY 9** Mrs H's foot and ankle remained red and swollen. VIBRO-PULSE can reduce Cellulitis treatment time by 50% or more when used in conjunction with antibiotic treatment..

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*Mrs H: Antibiotics alone only 50% Cellulitis / oedema reduction day 9  
Foot and ankle remained swollen*



*Mr B: Antibiotics and VIBRO-PULSE 100% Cellulitis / oedema reduction day 6.*

