



Data Vein: An Option for Prevention of Post-thrombosis Syndrome

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Background:

Compression stockings are used to decrease the incidence of post thrombosis syndrome in deep vein thrombosis (DVT)

This study evaluates efficacy of “Data Vein”, a low frequency electrical stimulation, in reduction of post thrombosis sequelae

Methods:

An ongoing prospective, randomised study.

DVT patients were assigned to

- Group A: Compression stockings and maintenance treatment
- Group B: Data Vein and maintenance treatment

Follow up: Every 2 weeks for 6 months

Outcome measures: Limb circumference and length of thrombus

Results:

12 DVT patients

- Group A : 4 (1 male; 3 females)
- Group B : 8 (3 males; 5 females)

Average age :

- Group A : 62.8 years
- Group B : 51.6 years

Resolution of thrombus

- Group A : Partial resolution - 1 patient
- Group B : Complete resolution - 1 patient
Partial resolution - 6 patients
Opening of collateral circulation - 2 patients

Conclusions:

Data Vein therapy may

- benefit patients of chronic deep vein thrombosis on maintenance warfarin
- offer a non-invasive and safe option for prevention of post-thrombosis syndrome

Fig 1 Resolution of thrombus

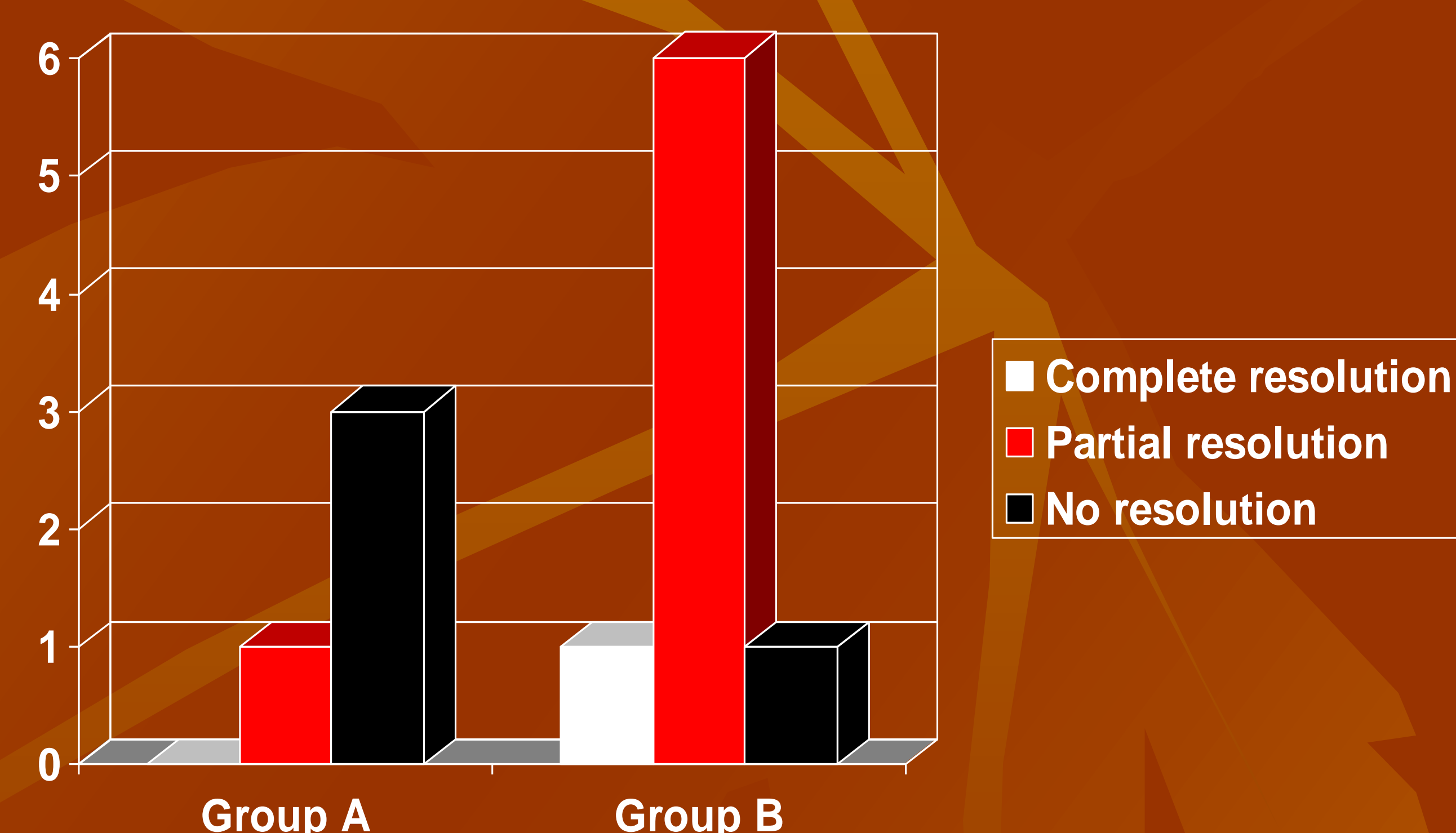


Fig 2 Length of thrombus reduction

