Sir John Charnley described a method of three-point fixation when applying a moulded plaster. The principles of fracture reduction are longitudinal traction, exaggeration of the fracture and then correction of the deformity. We present a novel technique which enables a single person to reduce a severely displaced distal radius fracture whilst simultaneously applying counter traction, for formal manipulation under anaesthesia.

The patient is positioned supine with the shoulder abducted to 90°, elbow flexion to 90° and arm pronated. The surgeon uses the posterior aspect of their thigh with the aid of gravity to provide counter traction to enable reduction of the fracture (Figures 1 and 2). Fracture reduction is checked and the image intensifier is used as a platform for applying a cast.

This is a time-efficient technique that can be used without an assistant. It uses inexpensive materials and applies the basic orthopaedic surgical principles of three-point fixation to achieve good fracture reduction.

Acknowledgements
None.

Declaration of conflicting interests
The author(s) declared no potential conflicts of interest with respect to the research, authorship, and/or publication of this article.

Funding
The author(s) received no financial support for the research, authorship, and/or publication of this article.

Ethical approval
Not applicable.

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Informed consent
Not applicable.

Guarantor
RAS.

Contributorship
All authors have been involved in the conception and design of the study, acquisition of data, analysis and interpretation of data. The paper has been reviewed multiple times by all authors.

Provenance and peer review
Not commissioned, externally peer reviewed.

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Reference