

## PEER REVIEW HISTORY

BMJ Open publishes all reviews undertaken for accepted manuscripts. Reviewers are asked to complete a checklist review form (<http://bmjopen.bmj.com/site/about/resources/checklist.pdf>) and are provided with free text boxes to elaborate on their assessment. These free text comments are reproduced below.

### ARTICLE DETAILS

<b>TITLE (PROVISIONAL)</b>	Mechanical prophylaxis after hip fracture: what is the risk of deep vein thrombosis? – a retrospective observational study
<b>AUTHORS</b>	Protty, Majd; Aithal, Shridhar; Hickey, Ben; Pettit, Rebecca; Johansen, Antony

### VERSION 1 - REVIEW

<b>REVIEWER</b>	Dr. Richard Buckley, Professor and Head Orthopedic Trauma  Foothills Medical Center University of Calgary, Canada
<b>REVIEW RETURNED</b>	04-Dec-2014

<b>GENERAL COMMENTS</b>	Excellent paper. A few comments however. 1) Doppler U/S in expert's hands is good but only one study says that it is 100% sensitive and accurate. Can you say for sure that you have "experts" in all of your units to do these U/S procedures? It seems impossible and so the sensitivity is usually not nearly so high. This statement needs to be less bold and tempered with "real life". 2) The stockings do nothing for more proximal clots in the pelvis. Comment please. The U/S does not pick these up either. Please comment upon this as certainly this is a large percentage of the clots that cannot be found.
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<b>REVIEWER</b>	Qing Jiang The Center of Diagnosis and Treatment for Joint Disease, Drum Tower Hospital Affiliated to Medical School of Nanjing University, Nanjing China
<b>REVIEW RETURNED</b>	16-Dec-2014

<b>GENERAL COMMENTS</b>	This is a nice paper. Deep venous thrombosis is commonly, dangerous and even deadly. Authors made a discussion about a usual but neglected clinical issue. The statistical results obtained from a retrospective analysis of large sample size of clinical data were authentic and reliable. Few studies had ever been published to investigate whether it is necessary to wear stockings on both legs in patients with hip fracture, it's helpful for patients to reduce the hospitalization costs.
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## **VERSION 1 – AUTHOR RESPONSE**

We agree with all their comments and have made the necessary adjustments to the main manuscript. This is in the form of a new paragraph in the discussion section (in red, in the revised submitted manuscript).