Reviewer's report

Title: Thrombocytosis after hip and knee surgery in rehabilitation setting: is it an occasional phenomenon? Relationship with deep venous thrombosis and functional outcome.

Version: 2 Date: 16 January 2015

Reviewer: Anne S Laulund

Reviewer's report:

Minor issues not for publication/Minor Essential Revisions

Abstract:

Methods: ‘All subjects with thrombocytosis performed ultrasonography to assess DVT occurrence.’ change to ‘All subjects with thrombocytosis had ultrasonography to assess DVT occurrence.’

Full text:

Introduction: Dot missing after reference (11)

Materials and participants: ‘patients who performed hip and knee surgery due to severe arthritis and fracture requiring surgical intervention or arthroplasty were enrolled. Those with infections, malignancy, neuro…’ change to ‘patients who had performed hip and knee surgery due to severe arthritis and fracture requiring surgical intervention or arthroplasty were enrolled. Those with infections, malignancy, neuro…’

Clinical and functional assessment: ‘A limitation of these scale lies in ’ change to ‘A limitation of these scales lies in—’

Degree of thrombocytosis: ‘For our laboratory, normal the PLTC range…’ change to ‘For our laboratory, the normal PLTC range—’

Results: ‘All patients who underwent TKA suffered from for severe knee osteoarthritis.’ change to ‘All patients who underwent TKA suffered from severe knee osteoarthritis.’

Blood parameters: ‘Conversely, mean D-dimers value was higher in old than young people: 614±345.6 vs. 542.8±317.6 (p=0.2)’. Is the p-value or the interpretation incorrect??

Functional outcome:

1) ‘However, the young had significant better outcome than elder people in all functional assessment measures: 116.4±10.9 vs. 83.6±31.2, and 97.0±6.9 vs. 70.5±25.6 in young and….’ P-value missing?

2) ‘Interestingly, higher age and higher was the reduction in platelet count at the
discharge (r=0.21, p=0.02).’ This sentence does not make any sense...

Discussion:

1) ‘Among secondary thrombocytosis, surgery including coronary artery by-pass, major abdominal surgery and especially splenectomy [3, 1], is fairly common.’ change to ‘Among secondary thrombocytosis, surgery including coronary artery by-pass, major abdominal surgery and especially splenectomy [3, 1], are fairly common.’

2) ‘A recent survey of PLTC in a large National cohort population’ change to ‘A recent survey of PLTC in a large national cohort population’

Figure 1 (flowchart): old<75 yrs change to old>75 yrs

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests