**Supplementary material**

**Supplementary Figure 1. Prevalence of serious adverse events**

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*Forest plot of serious adverse events after preoperative ultrasound guided peripheral nerve blocks compared to systemic analgesia in hip fracture patients.*

*US-PNB, ultrasound-guided peripheral nerve block.*

**Supplementary Figure 2. Patient satisfaction**

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*Forest plot of patient satisfaction after preoperative ultrasound guided peripheral nerve blocks compared to systemic analgesia in hip fracture patients. Mean and SD are presented at 0-100 scale, 100 being the highest satisfaction.*

*US-PNB, ultrasound-guided peripheral nerve block.*

**Supplementary Figure 3. Prevalence of delirium**



*Forest plot of prevalence of delirium after preoperative ultrasound guided peripheral nerve blocks compared to systemic analgesia in hip fracture patients.*

*US-PNB, ultrasound-guided peripheral nerve block.*

**Supplementary Figure 4. Length of stay**



*Forest plot of length of stay after preoperative ultrasound guided peripheral nerve blocks compared to systemic analgesia in hip fracture patients. Mean and SD are presented in number of days.*

*US-PNB, ultrasound-guided peripheral nerve block.*

**Supplementary Figure 5. Mortality**



*Forest plot of mortality after preoperative ultrasound guided peripheral nerve blocks compared to systemic analgesia in hip fracture patients.*

*US-PNB, ultrasound-guided peripheral nerve block.*