**Title:** Orthogeriatric co-management reduces incidence of delirium in hip fracture patients.

**Journal name:** Osteoporosis International

**Authors:** Christian T Pollmann, Marte R Mellingsæter, Bjørn Erik Neerland, Truls Straume-Næsheim, Asbjørn Årøen and Leiv Otto Watne

**Affiliation corresponding author:** Department of Orthopedic Surgery, Akershus University Hospital, Lørenskog, Norway. Institute of Clinical Medicine, Campus Ahus, University of Oslo, Oslo, Norway.

**E-mail address corresponding author:** Christian.Pollmann@ahus.no

**Online Resource 2** Multivariable ordinal logistic regression of the outcome ‘no delirium / subsyndromal delirium / delirium’

|  |  |
| --- | --- |
|  | **‘no delirium / subsyndromal delirium / delirium’** |
|  | **Odds ratio (95%CI)** | **p-value** |
| **Orthogeriatric co-management** | 0.46 (0.23 – 0.89) | 0.023 |
| **Pre-existing cognitive impairment** | 4.55 (2.31 – 9.13) | < 0.001 |
| **Age (years)** | 1.06 (1.02 - 1.11) | 0.002 |
| **ASA class** |  |  |
| 1 | 1.41 (0.19 – 7.20) | 0.70 |
| 2 | 1**a** |  |
| 3 | 3.62 (1.76 – 7.62) | 0.001 |
| 4 | 9.85 (1.77 – 79.16) | 0.014 |
| **Female sex** | 0.91 (0.46 - 1.79) | 0.78 |
| **Time to surgeryb** | 1.00 (0.98 – 1.02) | 0.88 |
| **Type of surgery** |  |  |
| Screw osteosynthesis | 0.90 (0.28 – 2.88) | 0.86 |
| Sliding hip screw / nail | 1.21 (0.58 – 2.57) | 0.61 |
| Hemiarthroplasty | 1**a** |  |
| Total hip arthroplasty | 0.30 (0.01 – 2.50) | 0.33 |
| **Complicationc** | 1.35 (0.68 – 2.70) | 0.39 |

CI - confidence interval; ASA - American Society of Anesthesiologists; **a** Reference category **b** Time from hospital admission to skin incision; **c** Any type of medical (other than delirium) or surgical complication during hospital admission