

Our experiences with ex-fix Orthofix for pertrochanteric hip fracture.

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Introduction

There is an effort of mini-invasive treatment of fractures of the proximal femur in consideration of increasing incidence in elderly polymorbidly patients. One possibility of treatment is the ex-fix Orthofix pertrochanteric, which is used on our department since 2006 to cure 31 A1, A2, A3, B1, B2 fractures by AO . The aim of the presentation is to highlight the benefits of this way of treatment.

Material

The ex-fix Orthofix pertrochanteric was used in 18 cases for the treatment of the pertrochanteric hip fracture so far. Indications for this internal osteosynthesis were polymorbidity of the patients, low level of INR alternatively the malignant obesity. The patients were 74 years old on average (34-89 years). The time of fixation was 75,5 days on average. It is used to use LWHM and changing of the bandage of the ex-fix 5x in a day postoperatively. There was none transfusion needed.

Results

Duration of the surgical procedure was 32 min on average with minimal blood loss. All fractures was heald with this way of treatment. We observed Pin-infection in 2x cases, but it retreated after extraction of the ex-fix and antibiotic therapy. Other complications as release of the ex-fix or injury of the nerves or blood vessels were not observed.

Conclusions

The advantages of ex-fix ORTHOFIX pertrochanteric is the mini-invasivity, reduction of the blood loss per- and also post-operatively and the early mobilisation of the patients despite of other treatment methods. The disadvantage is the higher risk of pin infection, complicated nursing care.

Age	Gender	ASA	Hypertonia	Chronic heart disease	St. p. IM	Persistant atrial fibrillation	Anemia	Chronic kidney failure	Obstrutive pulmonary disease	Diabetes melitus type 2	Obesity	Hypocoagulat icn after druos	Cardac decomp.	Hepatho pathy	Mafignity	Time of EF (weeks)	Time of aplication (min)
98	F	5	X	X	X	X		X		X	X	X	X			7	36
87	F	4	X	X		X	X					X			X	12	42
67	M	3	X				X	X		X						7	41
85	F	4	X	X		X		X	X		X	X				8	39
83	F	4	X				X	X	X		X					7	34
91	F	3	X							X	X			X		8	36
64	M	4	X	X		X		X		X		X	X			9	38
89	M	4	X		X			X		X	X			X		8	42
87	F	4	X	X		X					X			X		8	40
94	F	3					X	X		X	X			X	X	9	31
87	F	4	X						X	X	X		X	X		9	25
74	M	3								X	X				X	8	37
86	F	4	X	X	X	X		X			X	X				9	39
95	F	4	X				X	X		X	X					7	25
91	F	4	X	X		X					X			X	X	9	29
86	F	5	X	X		X	X		X	X	X	X				8	42
76	F	3	X				X	X						X		10	36
78	F	4	X	X	X				X	X	X					8	42

Key words

pertrochanteric fractures, external fixator, ORTHOFIX

