Greater PATIENT MOBILITY
Less PATIENT MORBIDITY[1]

GOTFRIED PC.C.P™

Percutaneous Compression Plating for Pertrochanteric Hip Fractures

Great Strides in Patient Mobility

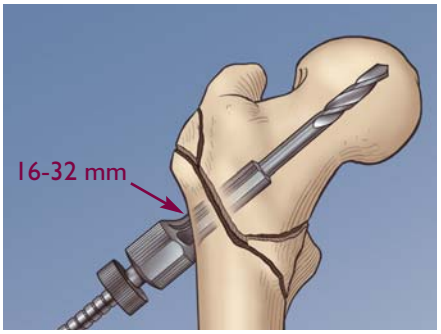
- Minimal operative trauma and no fracture exposure
- Double axis design provides rotational stability
- Decreased post-operative pain
- Prevent fracture collapse
- Return to pre-fracture independent mobility

ORTHOFIX®
ALWAYS INNOVATING

PERTROCHANTERIC FRACTURES
Limiting Factors

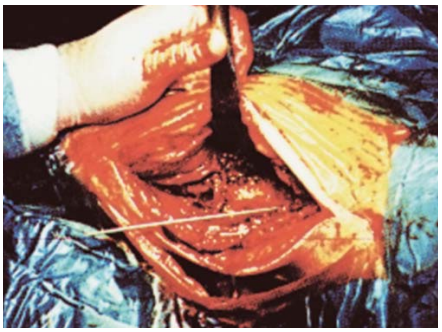
60% Loss of Pre-Op Independent Mobility after Gamma Nails and DHS[2]

- **Significant blood loss**
- **Operative trauma to osteoporotic bone**
- **Post-operative immobility**
- **Fragile patient population**



Large diameter drilling compromises lateral wall and leads to fracture collapse[3]

Lateral wall fracture and collapse - a major contributor to post-operative disability and morbidity[5, 6]



Large incision, fracture exposure and significant blood loss[4]

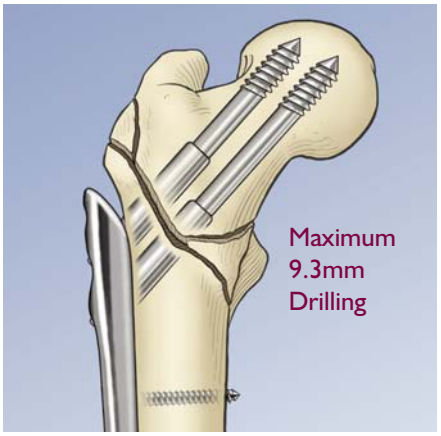
Closed reduction of unstable pertrochanteric hip fractures now possible with a new approach.

GOTFRIED PC.C.P™

GOTFRIED PC.C.P
A New Approach

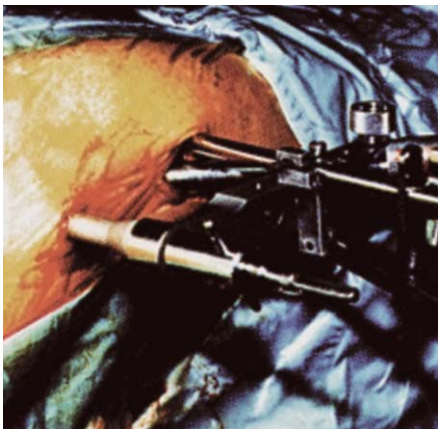
83% of 94 Patients Had Regained Independent Mobility 6 Months Post-Operatively[1]

- **Minimized operative trauma and blood loss**
- **No fracture exposure**
- **Immediate full weight bearing**
- **Prevents fracture collapse**
- **Provides rotational stability**



Gradual, small diameter drilling avoids bone damage, prevents lateral wall breakage and reduces incidence of fracture collapse[1, 7, 8]

Integrity of lateral wall maintained



Dedicated percutaneous instrumentation minimises operative trauma and blood loss. Post-operative pain is reduced and post-operative mobility is increased[9, 10, 11]

THE GOTFRIED PC.C.P IMPLANT DESIGN

Double Axis Fixation for Controlled Fracture Impaction
Two parallel, equal diameter neck screws provide rotational stability and eliminate "cut out"[1,4]

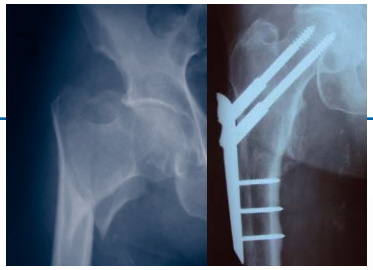


Plate Design
- Buttresses lateral wall superiorly
- Two fixed angle holes for placement of neck screws provide biomechanical benefits of 135^0 femur shaft neck angle
- Bevelled distal plate allows percutaneous insertion with reduced soft tissue trauma

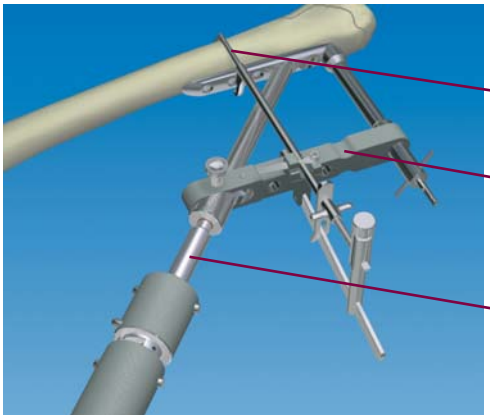
Telescoping Neck Screws
Surgeon controlled fracture compression is maximised

Gradual Small Diameter Drilling
7 mm and 9.3 mm; minimises trauma to fragile lateral wall

Shaft Screws
Self tapping cortical screws with unique head design for percutaneous insertion /extraction

Sliding Percutaneous Surgery Design
Atraumatic: avoids fracture exposure, significantly reduces blood loss and post-operative pain.

1. Gotfried, Y. Percutaneous compression plating of intertrochanteric hip fractures. J Orthop Trauma 2000;14:490-5 **2. Adams CI, Robinson CM, Court-Brown CM, McQueen MM.** Prospective randomised controlled trial of an intramedullary nail versus dynamic screw and plate of intertrochanteric fractures of the femur. J Orthop Trauma 2001; 15: 394-400. **3. Gerard D, Degreif J, Runkel M.** Experimentelle Untersuchungen zur Schwachung der Stabilitat des Trochanter major durch laterale Fensterung. Unfallchirurgie 1993; 19:208–212. **4. Gotfried Y, Cohen B, Rotem A.** Biomechanical Evaluation of the Percutaneous Compression Plating System for Hip Fractures. J Orthop Trauma 2002; 16:644-50 **5. Gotfried, Y.** Pantrochanteric Hip Fractures: An Entity. JBJS (Br) 2000; 82-B: Suppl III: 235 **6. Palm H., Jacobsen, Sonne-Holm S, Gebuhr P.** Integrity of the lateral femoral wall in intertrochanteric hip fractures: an important predictor of a reoperation. J Bone Joint Surg Am. 2007 Mar;89(3):470-5 **7. Krasheninnikoff M, Gramkow J, Tørholm C.** Gotfried PC.C.P: a new method for osteosynthesis of intertrochanteric fractures of the femur. Acta Orthop Scan 1998;280 (suppl):30-1 **8. Gotfried Y.** The lateral trochanteric wall: a key element in the reconstruction of unstable pertrochanteric hip fractures. Clin Orthop Relat Res. 2004 Aug;(425):82-86 **9. Brandt SE, Lefevre S, Janzing HMJ, Broos PLO, Pilot B, Houben BJJ.** Percutaneous Compression Plating (PCCP) versus the dynamic hip screw for pertrochanteric fractures: preliminary results. Injury 2002; 33: 413-18. **10. Peyser A, Weil Y, Brocke L, Manor O, Mosheiff R, Liebergall M.** Percutaneous compression plating versus compression hip screw fixation for the treatment of intertrochanteric hip fractures. Injury. 2005 Nov;36(11):1343-9. **11. Peyser A, Weil Y, Brocke L, Sela Y, Mosheiff R, Mattan Y, Manor O, Liebergall M.** A prospective, randomised study comparing the percutaneous compression plate and the compression hip screw for the treatment of intertrochanteric fractures of the hip. J Bone Joint Surg Br. 2007 Sep;89: 1210-1217.



Dedicated Percutaneous Instrumentation

Percutaneous Bone Hook
The first bone hook designed for percutaneous plate fixation

Introducer
Allows percutaneous plate insertion and precision targeting of neck and all plate fixation screws

Neck Screw Driver
Three percutaneous surgical steps with one instrument

Gotfried PC.C.P Instrument Tray Kit

Part #	Description	Quantity
180000	Gotfried P.C.C.P Instrument set complete, consisting of:	1
184000	Neck Screw Driver	1
185000Q	Shaft Screw Driver	1
186000Q	7.0mm Drill Bit	1
187000Q	9.3mm Drill Bit	1
188000Q	Shaft Step Drill	2
189000Q	Main Guide	1
190000	Quick Coupler	1
191000	Introducer	1
192000	Butterfly Screw	1
193000Q	Butterfly Pin	1
194000	Bolt	2
195000	Main Sleeve	1
196000	Neck First Sleeve	1
197000	Neck Second Sleeve	1
198000	Trocar-Neck	1
199000	Gauge Aluminum	1
200000	Impactor	1
201200	Aiming Guide	1
202000	Bone Hook Adapter	1
203000	Shaft Sleeve	1
204000Q	Trocar Shaft	1
205000	Depth Gauge	1
206000	Skin Retractor	1
207000	Bone Hook	1
208000	Fixation Wire	1
209000	PC.C.P Instrument Case Empty	1
210000	PC.C.P Template	1

Gotfried PC.C.P Plate

Part #	Description	Quantity
181000	Gotfried PC.C.P Plate	1

Gotfried PC.C.P Neck Screws

Part #	Description
182090	Neck Screw, 90mm
182100	Neck Screw, 100mm
182110	Neck Screw, 110mm
182120	Neck Screw, 120mm
182130	Neck Screw, 130mm
182140	Neck Screw, 140mm

Gotfried PC.C.P Shaft Screws

Part #	Description
183031	Shaft Screw, 31mm
183034	Shaft Screw, 34mm
183037	Shaft Screw, 37mm
183040	Shaft Screw, 40mm
183043	Shaft Screw, 43mm
183046	Shaft Screw, 46mm
183531	Shaft Screw, 31mm, 5 Pk
183534	Shaft Screw, 34mm, 5 Pk
183537	Shaft Screw, 37mm, 5 Pk
183540	Shaft Screw, 40mm, 5 Pk
183543	Shaft Screw, 43mm, 5 Pk
183546	Shaft Screw, 46mm, 5 Pk

Gotfried PC.C.P Plate and all screws are also available packaged sterile. They can be ordered using the above code numbers preceded by 99- (e.g. 99-181000).

PORD Device for Posterior Reduction

The PORD™ Device from Orthofix is used for femoral fractures to correct posterior sagging of the fracture and to maintain reduction during fixation. The PORD can be easily attached to almost all fracture tables.

Ordering Information	Part #
PORD Posterior Reduction Device	110000
Includes:	
Horizontal Bar	111000
Box Bracket	112000
Limb Support	113000
Nut	114000

Your Distributor is:

CE 0123

www.orthofix.com

PC **PCP** E0 05D-03/08

ORTHOFIX®
ALWAYS INNOVATING