

# Introduktion Ortopedi

Lars Weidenhielm  
Ortopedkliniken  
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## Schema Patientdemonstration Kurslitteratur Tentamen (tentavakter T4)

Lindgren U. Svensson O. Ortopedi.  
Almqvist & Wiksell, Medicin/Liber. 1996.  
alternativt  
Graham Apley A. Solomon Louis. Concise  
System of Orthopedics and Fractures.  
Oxford: Butterworth-Heinemann Ltd, 1994.

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## Ortho - Paidion

Grekiska *Orthos* = rak och *Pais* = barn

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## Historik

- ”Ortopedins fader” Nicholas Andry 1741
- Anestesi 1846 – Morton
- Aseptik 1865 – Lister
- Röntgen 1895 – Röntgen
- Metallurgi 1930
- Antibiotika – 1935 sulfa, 1945 penicillin

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## Ortopedi - medfödda och förvärvade skador och sjukdomar i rörelseapparaten

- Alla åldrar
- Alla delar
  
- 30% av alla besök i primärvården

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## Sjukgymnasten - Ortopeden



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## Frakturmottagningen



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## Diagnostik

- Anamnes – Smärta
- Undersökning
- Röntgen (Datortomografi, MR)
- Artroskopi

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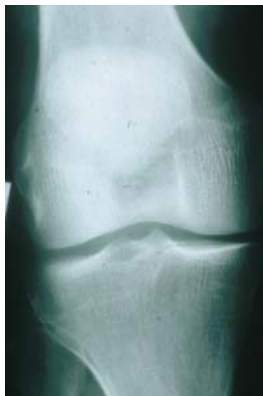
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## Slätrtg



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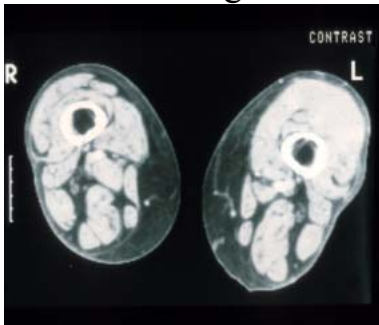
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### Datortomografi



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### MR - Magnet Resonans Tomografi



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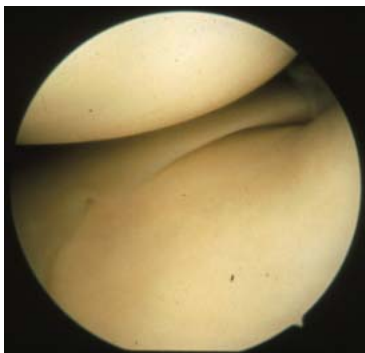
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### Artroskopi



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# Nedre Extremiteten

Underbens-  
fraktur



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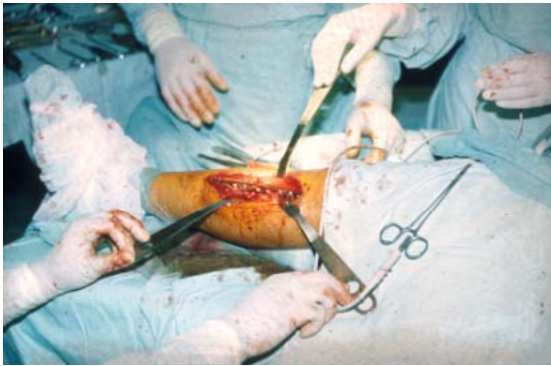
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### Stressfraktur



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### Amputationsstump



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### Benförlängning



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### Höftfraktur

- Medial collumfraktur
- Pertrockantär femurfraktur

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Medial  
collumfraktur



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Pertrockantär femurfraktur



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Caputnekros



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# Coxartros




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# Cementerad höftprotes (Charnley)




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### Arthroplasty of the Hip

22 months has shown negligible wear. The stresses imposed on the hip-joint of patients operated by arthroplasty are only a fraction of those borne by the hip-joint of normal subjects on ordinary low-axes if the method could prove suitable for other patients in similar cases. It may have a particular place in the treatment of the rheumatoid joint, the elderly, low-axes it is particularly suitable, because it requires almost no immobilisation. Even in the early stages there is no pain on movement, and the procedure is suitable for subjects with the poor muscle and relatively feeble nerves which so often accompany long-standing rheumatoid or old age.

ACKNOWLEDGMENTS  
I am indebted to the Manchester Regional Hospital Board, which has established at Withington the centre for the surgery of the hip-joint, at which

the clinical work described in this paper has been done. In the general ideas behind this paper I have been inspired by several sources. To Mr. David Jones, F.R.C.S., of Arthroplasty and Prosthetic Department, The General Hospital, at St. Charles Hospital, Liverpool, I am indebted for his kind and expert assistance in the hospital and his interest in the work for a long and warm one will make the original papers. With advice from the scientific department of engineering, we have to work out the design of the hip-joint for different types of cement in which of them.

#### REFERENCES

1. Charnley, J. Institute of Mechanical Engineers, Symposium on Biomechanics, April 17, 1959, p. 12.
2. Jones, D. S. *Lancet*, i, 1426, 1954.
3. Jones, D. S. *Lancet*, i, 1463, 1954.
4. Jahn, J. and Jahn, R. J. *Bone Joint Surg.*, 1958, 40A, 1958.
5. Smith-Petersen, M. N. J. *Bone Joint Surg.*, 1958, 40A, 1958.



JOHN CHARNLEY

John Charnley (1911) - J.C.B.E., F.R.C.S., Professor of Orthopaedic Surgery, University of Manchester, Director, Centre for Hip Surgery, Withington Hospital, was the effective pioneer of the arthroplasty procedure known in English medical writings as total hip replacement. There is of course a century and a half of joint reconstructive surgery behind this. Charnley's principal contribution must be considered the efficient development of a self-caring acrylic cement to anchor both the femoral replacement and the acetabular acrylic or metal socket. This 1961 report on the Lower new suggested by John Charnley is a personal communication to me on among the most important early contributions of total hip replacement.

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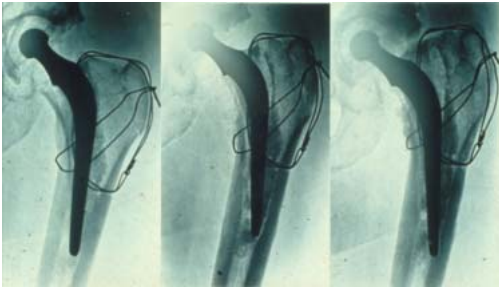
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## Proteslossning



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## Övre Extremiteten



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## Collum chirurgicum fraktur



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### Radiusfraktur



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### Radiusfraktur - gips



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### Radiusfraktur - externfixation



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Radiusfraktur - internfixation



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Fingerluxation



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Ryggen



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## Kotfraktur



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## Metastas i kota



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