

Plain radiography	; emphasize on osteophytes	
Tormation and Jor	nt space narrowing (JSN)	9
Clinical and radio	ographic (American College of	
Rheumatology): I	Knee pain + at least 1/3:	4
• Age > 50 years		
• Stiffness < 30	min (morning stiffness)	
 Crepitus 		Č
+ Osteophytes		9
(Altman et al. 198	36, Arthritis Rheum 29:1039-1049)	



	Radiological classificatio systems	n
	Kellgren and Lawrence (1957) Atlas of Standard Radiographs (1963) Ahlbäck (1968) IKDC (1993) Altman 1995, 2007 (OARSI) Fairbank (1948)	//: Orthopaedic Centre
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Radiological positioning

NGR

 Weightbearing position • Semi-flexion (15-45°) or extension of the knee joints Posterio-anterior or antero-posterior view Bilateral pictures

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//: Urthopaedic Centre

CD uttevil



Ahlback Radiographic Grading of Degenerative Arthritis				
	Stage I	Joint space narrowing		
	Stage II	Joint space obliteration		
	Stage III	Minor bone attrition		
	Stage IV	Moderate bone attrition		
	Stage V	Severe bone attrition		
	Stage VI	Subluxation		
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articular cartilage of arthritic joints

Non surgical options:

• Intra-articular injections

- Corticosteroid for acute exacerbations
- No benefit of viscosupplements over NSAIDs in short term (Cole 1999, Adams 1995, Lohmander 1996)

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 slower onset, more risk of inflammatory reaction & more expensive than steroid (Watterson 2000)





Arthroscopic debridement:

 The efficacy of debridement of various tissue for the alteration of the course of OA or the improvement of the function of the joint has not been established by prospective, randomized studies



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C) MUNA

Arthroscopic debridement:

- Removal of meniscal and cartilage fragments that have caused specific mechanical disturbances has directly improved function and decreased symptoms

 Buckwalter &
 - Lohmander JBJS 1994



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