

Appendix 1: Gradations for sign and symptoms

Symptoms	Description	Gradations
Pain	No pain	0
	Mild pain exaggerated by movement but subsided by rest	1
	Moderate pain not relieved by rest but not disturbing sleep or routine activities	2
	Severe pain disturbing sleep and routine activities but relieved by oral analgesics	3
	Unbearable pain requiring injectable analgesics	4
Tenderness	No tenderness	0
	Mild tenderness feels, pain on pressure but does not withdraw joint	1
	Moderate tenderness, feels pain, and on touch withdraw the joint	2
Crepitus	Severe pain, patient does not allow the joint to touch	3
	No crepitus	0
	Palpable crepitus	1
Stiffness	Audible crepitus	2
	No stiffness	0
	Mild stiffness	1
X-ray finding	Moderate stiffness	2
	Severe difficulty due to stiffness	3
	Severe stiffness persisting >15 min	4
	Normal X-ray	0
X-ray finding	Mild reduction of joint space	1
	Moderate reduction of joint space	2
	Severe reduction of joint space	3