

Additional file 2: Data extraction form:

a) Source:

Full study citation
Study ID (e.g. Smith 2001)
Review author ID (date form completed)
Link to full text

b) Study eligibility:

Study characteristics	Inclusion criteria	Yes	No	Unclear	Location in text
Type of study	Prospective observational study Full text				
Participants/setting	Human Patients present (clinical study)				
Outcome measures	Diagnostic accuracy				
Decision	<input type="checkbox"/> Included <input type="checkbox"/> Excluded				
Reason for exclusion	<u>Study type</u> <input type="checkbox"/> Selected case series <input type="checkbox"/> Non-clinical study <input type="checkbox"/> Literature review <input type="checkbox"/> Conference proceeding <input type="checkbox"/> Full text not available <u>Procedure</u> <input type="checkbox"/> Therapeutic ultrasonography <u>Aims/outcomes</u> <input type="checkbox"/> Fracture treatment <input type="checkbox"/> Bone density assessment		<u>Participants</u> <input type="checkbox"/> Non-human subjects <input type="checkbox"/> Simulated patients <input type="checkbox"/> Simulated fractures <input type="checkbox"/> Non-blinded ultrasound operators <input type="checkbox"/> Non-blinded image interpretation <input type="checkbox"/> Exclusively paediatric patients <input type="checkbox"/> Mixed paediatric and adult populations (where adult and paediatric groups cannot be separately identified)		
Notes					

DO NOT PROCEED IF STUDY IS EXCLUDED FROM REVIEW

3. Data extraction:

c) Methods:		
<i>Criteria</i>	<i>Description</i>	
Study design		
Total study duration		
Ultrasound operators		
Diagnostic image interpreters		
Statistical data analysis		
d) Participants:		
<i>Criteria</i>	<i>Description</i>	
Participant characteristics	Total number	
	Age	
	Sex	
	Setting	
	Country	
Diagnostic criteria	Type of fracture	
	Inclusion criteria	
	Exclusion criteria	
e) Outcomes:		
Outcomes measured (name, definition, unit of measurement)		
f) Results:		
<i>Primary outcomes</i>	<i>Description</i>	
Sensitivity		
Specificity		
Negative predictive value		
Positive predictive value		
<i>Secondary outcomes</i>		
Patient management		
Comparative time to diagnosis		
User perspectives		
f) Miscellaneous		
<i>Criteria</i>	<i>Description</i>	
Funding source		
Key conclusions by study authors		