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Supplementary data 1

Foot Osteoarthritis MRI Score Sheet

MRI ID _____

Sequences _____

Forefoot		Metatarsophalangeal Joint Scores				
Features		1st	2 nd	3rd	4th	5th
Joint space narrowing (score 0-3)						
Osteophytosis (score 0-3)						
Effusion/synovitis (score 0-1)						
Subchondral cysts (score 0-1)						
Bone marrow lesion (score 0-3)	Proximal Metatarsal head					
	Distal Phalanx base					
Bone erosion (Score 0-3)	Proximal Metatarsal head					
	Distal Phalanx base					
Comments : FOV / positioning issues						

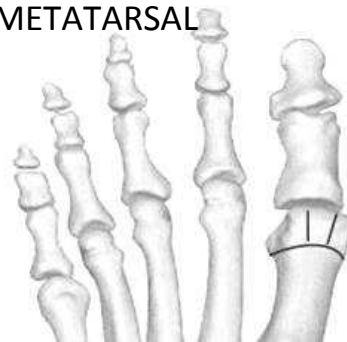
	Forefoot		Metatarsal Bone Scores				
	Features		1st	2nd	3rd	4th	5th
Bone marrow lesion (score 0-3) Illustration of bone shaft divided into proximal central and distal regions	Proximal Shaft						
	Central Shaft						
	Distal Shaft						

Pictorial guide illustrating the scoring of erosion, sectioning the bone into thirds:

A TARSAL



B METATARSAL



Midfoot	Tarsometatarsal Joint Scores				
	1st	2nd	3rd	4th	5th
Features					
Joint space narrowing (score 0-3)					
Osteophytosis (score 0-3)					
Effusion/synovitis (score 0-1)					
Subchondral cysts (score 0-1)					
Bone marrow lesion Distal - base metatarsal (score 0-3)					
Bone erosion Distal - base metatarsal (score 0-3)					
Ligament (score 0-1 & location)					

Midfoot	Tarsal Bone Scores						
	Talus	Calc	Navicular	Medial cuneiform	Intermed. cuneiform	Lateral cuneiform	Cuboid
Bone erosion (score 0-3)							
Bone marrow lesion (score 0-3)							
Comments (e.g. ossicle)							

Midfoot to Hindfoot	Tarsal and Subtalar Joint Scores					
Features	Talo-calcaneal joint	Talo-navicular joint	Calcaneo-cuboid joint	Intertarsal - naviculo - cuneiform joints		
				Medial Lateral	Interm.	
Joint space narrowing (score 0-3)						
Osteophytosis (score 0-3)						
Effusion/synovitis (score 0-1)						
Subchondral cysts (score 0-1)						
Ligament (score 0-1 & location)						

Soft Tissue Tenosynovitis	Scores
Feature (score 0-3)	
Tibialis Anterior	
Extensor Hallucis Longus	
Extensor Digitorum Longus	
Peroneus Brevis	
Peroneus Longus	
Tibialis Posterior	
Flexor Digitorum Longus	
Flexor Hallucis Longus	

Enthesopathy Scores (bone marrow lesion located at enthesis of tendon)									
Feature	Location								
Bone location	1st Metatarsal Anterior medial plantar	1st Metatarsal Plantar lateral	2nd, 3rd, 4th Metatarsal Plantar	Base 5th Metatarsal Proximal dorsal lateral	Medial cuneiform Anterior medial plantar	Medial cuneiform Plantar distal lateral	Medial cuneiform Plantar Proximal	Lateral cuneiform Plantar medial	Navicular Plantar medial
Tendon	Tibialis Anterior	Peroneus Longus	Tibialis Posterior	Peroneus Brevis	Tibialis Anterior	Peroneus longus	Tibialis Posterior	Tibialis Posterior	Tibialis Posterior
Bone signal (score 0-1)									

Sub-tendon bone marrow lesion scores					
Feature	Location of sub-tendon at bone and tendon groove				
Bone location	Medial Calcaneus	Lateral Calcaneus	Navicular	Medial cuneiform	Cuboid
Tendon	Tibialis Posterior	Peroneus Longus	Tibialis Posterior	Tibialis Anterior	Peroneus Longus
Bone signal (score 0-1)					

Supplementary data 2 Supplementary Tables S1 to S6. Intra-rater reproducibility results per joint, bone and soft tissue location.

Table S1: Intra-rater repeatability of scoring joints for joint space narrowing (JSN), osteophytes, effusion/synovitis and cysts and using suggested cut-points for clinically relevant criteria for JSN and osteophytes (grade ≥ 2).

Joint (n=15)	Statistic	JSN 0-3	JSN ≥ 2	Osteophytes 0-3	Osteophytes ≥ 2	Effusion/ synovitis 0-1	Cysts 0-1
MTPJ1	PEA	93% (13/14)	93% (13/14)	93% (13/14)	100% (14/14)	86% (12/14)	71% (10/14)
	ICC	0.90	0.00	0.90	1.00	0.07	0.41
MTPJ2	PEA	100%	100% (13/13)	92% (12/13)	100% (13/13)	85% (11/13)	92% (12/13)
	ICC	1	1	0.88	1	0.43	0.00
MTPJ3	PEA	100% (13/13)*	100% (13/13)*	100% (13/13)*	100% (13/13)*	69% (9/13)	100% (13/13)*
	ICC	-	-	-	-	0.31	-
MTPJ4	PEA	100% (14/14)*	100% (14/14)*	100% (14/14)*	100% (14/14)*	50% (7/14)	100% (14/14)*
	ICC	-	-	-	-	Negative	-
MTPJ5	PEA	100% (14/14)*	100% (14/14)*	100% (14/14)*	100% (14/14)*	71% (10/14)	100% (14/14)
	ICC	-	-	-	-	0.19	1.00
TMTJ1	PEA	93%	100%*	84%	93%	100%	100%
	ICC	0.77	-	0.83	0.65	1	1
TMTJ2	PEA	80%	100%	93%	100%	87%	100%
	ICC	0.91	1	0.95	1	0.61	1

TMTJ3	PEA	93%	100%*	80%	93%	67%	100%
	ICC	0.77	-	0.70	0.00	0.36	1
TMTJ4	PEA	93%	100%*	87%	93%	67%	100%
	ICC	0.65	-	0.80	0.00	Negative	1
TMTJ5	PEA	100%*	100%*	100%	100%*	87%	100%*
	ICC	-	-	1	-	0.46	-
Ankle	PEA	87%	100%	93%	100%*	93%	100%
	ICC	0.87	1	0.77	-	0.77	1
Subtalar	PEA	100%	100%*	93%	100%*	87%	100%
	ICC	1	-	0.00	-	0.00	1
Talo-navicular	PEA	100%	100%*	93%	93%	87%	93%
	ICC	1	-	0.94	0.87	Negative	0.77
Calc-cuboid	PEA	100%	100%*	93%	100%	80%	100%
	ICC	1	-	0.95	1	0.46	1
Nav-medial-cuneiform	PEA	93%	100%*	93%	100%	80%	100%
	ICC	0.77	-	0.92	1	0.56	1
Nav-intermediate-cuneiform	PEA	100%	100%*	87%	100%	93%	100%
	ICC	1	-	0.83	1	0.87	1
Nav-lateral-cuneiform	PEA	100%	100%*	100%	100%*	93%	100%

	ICC	1	-	1	-	0.87	1
All joints	PEA	96% (238/248)	>99% (247/248)	93% (231/248)	98% (244/248)	81.5% (202/248)	98% (242/248)
	% ± 1 category	100% (248/248)	n/a	100% (248/248)	n/a	n/a	n/a
	PPA score=0	98% (422/429)	>99% (480/481)	96% (322/335)	99% (448/452)	62% (74/120)	99% (432/438)
	PPA score=1	85% (44/52)	93% (14/15)	86% (100/117)	91% (40/44)	88% (330/376)	90% (52/58)
	PPA score=2	77% (10/13)	n/a	91% (40/44)	n/a	n/a	n/a
	PPA score=3	0% (0/2)	n/a	- (none scored)	n/a	n/a	n/a
	ICC	0.90	0.89	0.90	0.90	0.46	0.87

ICC=Intraclass correlation coefficient from generalizability theory; PEA=Percent exact agreement; PPA=Chamberlain's percent positive agreement i.e. the proportion of the total number of ratings made in the two reads which were in agreement. *All joints scored 0 according to both reads. Metatarsophalangeal joint (MTPJ), tarsometatarsal joint (TMTJ)

Table S2: Intra-rater reproducibility of scoring bones for erosion and bone marrow lesion (BML) and using suggested cut-points for clinically relevant criteria greater than 0 (grades ≥ 1).

Bone (n=15)	Statistic	Erosion 0-3	Erosion ≥ 1	BML 0-3	BML ≥ 1
Distal metatarsal 1	PEA	86% (12/14)	86% (12/14)	93% (13/14)	93% (13/14)
	ICC	0.46	0.46	0.85	0.85
Distal metatarsal 2	PEA	93% (13/14)	93% (13/14)	100% (13/13)	100% (13/13)
	ICC	0.00	0.00	1	1
Distal metatarsal 3	PEA	100% (14/14)*	100% (14/14)*	100% (13/13)*	100% (13/13)*
	ICC	-	-	-	-
Distal metatarsal 4	PEA	100% (14/14)*	100% (14/14)*	100% (14/14)*	100% (14/14)*
	ICC	-	-	-	-
Distal metatarsal 5	PEA	100% (14/14)*	100% (14/14)*	100% (14/14)*	100% (14/14)*
	ICC	-	-	-	-
Proximal metatarsal 1	PEA	100%	100%	80.0%	87%
	ICC	1	1	0.70	0.74
Proximal metatarsal 2	PEA	93%	93%	73%	87%
	ICC	0.91	0.83	0.85	0.75
Proximal metatarsal 3	PEA	93%	93%	73%	80%
	ICC	0.00	0.00	0.62	0.59
Proximal metatarsal 4	PEA	100%*	100%*	100%	100%

	ICC	-	-	1	1
Proximal metatarsal 5	PEA	100%*	100%*	100%*	100%*
	ICC	-	-	-	-
Talus	PEA	93%	93%	93%	100%
	ICC	0.65	0.65	0.87	1
Calcaneus	PEA	100%*	100%*	100%	100%
	ICC	-	-	1	1
Navicular	PEA	100%*	100%*	100%	100%
	ICC	-	-	1	1
Medial cuneiform	PEA	100%*	100%*	93%	93%
	ICC	-	-	0.95	0.88
Intermediate cuneiform	PEA	87%	87%	80%	87%
	ICC	0.44	0.44	0.84	0.74
Lateral cuneiform	PEA	100%*	100%*	87%	93%
	ICC	-	-	0.79	0.87
Cuboid	PEA	100%*	100%*	73%	73%
	ICC	-	-	0.49	0.49
All bones	PEA	97% (242/250)	97% (242/250)	91% (225/248)	94% (232/248)
	% ± 1 category	100% (250)	n/a	>99% (247/248)	n/a

PPA score=0	98% (470/478)	98% (470/478)	95% (338/354)	95% (338/354)
PPA score=1	60% (12/20)	64% (14/22)	79% (88/111)	89% (126/142)
PPA score=2	100% (2/2)	n/a	79% (22/28)	n/a
PPA score=3	- (none scored)	n/a	67% (2/3)	n/a
ICC	0.66	0.57	0.83	0.79

ICC=Intraclass correlation coefficient from generalizability theory; PEA=Percent exact agreement; PPA=Chamberlain's percent positive agreement i.e. the proportion of the total number of ratings made in the two reads which were in agreement. *All bones scored 0 according to both reads.

Table S3: Intra-rater reproducibility of scoring of tenosynovitis per tendon per grade and with suggested cut-points for clinically relevant criteria ≥ 2 .

Tendon (n=15)	Statistic	Tenosynovitis 0-3	Tenosynovitis ≥ 2
Tibialis anterior	PEA	73%	100%*
	ICC	0.43	-
Extensor hallucis longus	PEA	100%*	100%*
	ICC	-	-
Extensor digitorum longus	PEA	87%	93%
	ICC	0.65	0.00
Peroneus brevis	PEA	93%	100%*
	ICC	0.83	-
Peroneus longus	PEA	93%	100%
	ICC	0.91	1
Tibialis posterior	PEA	80%	93%
	ICC	0.67	0.65
Flexor hallucis longus	PEA	100%	100%
	ICC	1	1
Flexor digitorum longus	PEA	80%	100%*
	ICC	0.46	-
All tendons	PEA	88% (106/120)	98% (118/120)

% ± 1 category	100% (120/120)	100% (120/120)
PPA score=0	92% (134/146)	99% (226/228)
PPA score=1	83% (68/82)	83% (10/12)
PPA score=2	83% (10/12)	n/a
PPA score=3	- (none scored)	n/a
ICC	0.83	0.82

ICC=Intraclass correlation coefficient from generalizability theory; PEA=Percent exact agreement; PPA=Chamberlain's percent positive agreement i.e. the proportion of the total number of ratings made in the two reads which were in agreement. *All tendons scored 0 according to both reads.

Table S4: Intra-rater reproducibility of scoring presence of bone lesion at five sub-tendon bone marrow lesion (BML) locations.

Site (n=15)	Statistic	Sub Tendon BML 0-1
Medial calcaneal: tibialis posterior	PEA	100%*
	ICC	-
Lateral calcaneal: peroneus longus	PEA	100%
	ICC	1
Navicular: tibialis posterior	PEA	93%
	ICC	0.00
Medial cuneiform: tibialis anterior	PEA	87%
	ICC	0.46
Cuboid: peroneus longus	PEA	73%
	ICC	0.49
All sites	PEA	91% (68/75)
	PPA score=0	94% (120/127)
	PPA score=1	70% (16/23)
	ICC	0.60

ICC=Intraclass correlation coefficient from generalizability theory; PEA=Percent exact agreement; PPA=Chamberlain's percent positive agreement i.e. the proportion of the total number of ratings made in the two reads which were in agreement. *All bones scored 0 according to both reads.

Table S5: Intra-rater reproducibility of scoring presence of bone marrow lesion (BML) associated with tendon entheses.

Site (n=15)	Statistic	Enthesis BML 0-1
1 st metatarsal: plantar medial, tibialis anterior	PEA	100%
	ICC	1
1 st metatarsal: plantar lateral, peroneal longus	PEA	80%
	ICC	0.46
2 nd , 3 rd or 4 th metatarsal: plantar, tibialis posterior	PEA	100%*
	ICC	-
5 th metatarsal: proximal dorso-lateral, peroneal brevis	PEA	100%*
	ICC	-
Medial cuneiform: plantar distal-medial, tibialis anterior	PEA	100%
	ICC	1
Medial cuneiform: plantar distal-lateral, peroneal longus	PEA	100%*
	ICC	-
Medial cuneiform: plantar proximal, tibialis posterior	PEA	87%
	ICC	0.44
Lateral cuneiform: plantar medial, tibialis posterior	PEA	100%
	ICC	1

Navicular: plantar medial, tibialis posterior	PEA	100%*
	ICC	-
<hr/>		
All sites	PEA	96% (130/135)
	PPA score=0	98% (248/253)
	PPA score=1	71% (12/17)
	ICC	0.66

ICC=Intraclass correlation coefficient from generalizability theory; PEA=Percent exact agreement; PPA=Chamberlain's percent positive agreement i.e. the proportion of the total number of ratings made in the two reads which were in agreement. *All bones scored 0 according to both reads.

Table S6: Intra-rater repeatability of scoring for presence of ligament involvement per site.

Ligament (n=15)	Statistic	Ligament 0-1
Lisfranc	PEA	87%
	ICC	0.74
Intertarsal	PEA	93%
	ICC	0.65
All ligaments	PEA	90% (27/30)
	PPA score=0	100% (30/30)
	PPA score=1	93% (42/45)
	ICC	0.77

ICC=Intraclass correlation coefficient from generalizability theory; PEA=Percent exact agreement; PPA=Chamberlain's percent positive agreement i.e. the proportion of the total number of ratings made in the two reads which were in agreement.

Supplementary data 3 Supplementary Tables S7 to S14. Inter-rater reproducibility results per joint, bone and soft tissue location.

Table S7: Inter-rater reproducibility of scoring joints for joint space narrowing (JSN), osteophytes, effusion/synovitis and cysts and using suggested cut-points for clinically relevant criteria for JSN and osteophytes (grade ≥ 2).

Joint (n=15)	Statistic	JSN 0-3	JSN ≥ 2	Osteophytes 0-3	Osteophytes ≥ 2	Effusion/ synovitis 0-1	Cysts 0-1
MTPJ1	PEA	54% (7/13)	85% (11/13)	38% (5/13)	92% (12/13)	38% (5/13)	62% (8/13)
	ICC	0.17	Negative	0.06	0.00	0.11	0.19
MTPJ2	PEA	92% (12/13)	92% (12/13)	92% (12/13)	92% (12/13)	23% (3/13)	92% (12/13)
	ICC	0.00	0.00	0.00	0.00	0.03	0.00
MTPJ3	PEA	100% (13/13)*	100% (13/13)*	100% (13/13)*	100% (13/13)*	23% (3/13)	100% (13/13)*
	ICC	-	-	-	-	0.00	-
MTPJ4	PEA	100% (14/14)*	100% (14/14)*	100% (14/14)*	100% (14/14)*	14% (2/14)	100% (14/14)*
	ICC	-	-	-	-	0.00	-
MTPJ5	PEA	100% (14/14)*	100% (14/14)*	100% (14/14)*	100% (14/14)*	14% (2/14)	93% (13/14)
	ICC	-	-	-	-	0.00	0.00
TMTJ1	PEA	87%	100%*	33%	93%	7%	87%
	ICC	0.00	-	0.00	0.00	0.00	0.46
TMTJ2	PEA	53%	93%	53%	73%	20%	93%
	ICC	0.66	0.83	0.49	0.46	Negative	0.83
TMTJ3	PEA	80%	100%*	53%	93%	27%	93%

	ICC	0.00	-	0.00	0.00	Negative	0.00
TMTJ4	PEA	93%	100%*	40%	93%	13%	93%
	ICC	0.00	-	0.00	0.00	0.00	0.00
TMTJ5	PEA	100%*	100%*	93%	100%*	20%	100%*
	ICC	-	-	0.00	-	0.00	-
Ankle	PEA	80%	87%	87%	100%*	40%	93%
	ICC	0.00	0.00	0.00	-	0.13	0.00
Subtalar	PEA	93%	100%*	100%*	100%*	0%	87%
	ICC	0.00	-	-	-	0.00	0.00
Talo-navicular	PEA	80%	100%*	27%	47%	20%	100%
	ICC	Negative	-	0.11	0.05	0.02	1
Calc-cuboid	PEA	87%	100%*	53%	80%	33%	87%
	ICC	0.00	-	0.00	0.00	0.05	Negative
Nav-medial-cuneiform	PEA	87%	100%*	60%	87%	47%	87%
	ICC	0.00	-	0.20	Negative	0.10	0.61
Nav-intermediate-cuneiform	PEA	80%	93%	73%	93%	60%	100%
	ICC	0.53	0.00	0.70	0.65	0.00	1
Nav-lateral-cuneiform	PEA	100%	100%*	100%	100%*	67%	93%
	ICC	1	-	1	-	0.00	0.00

All joints	PEA	86% (213/247)	97% (240/247)	70% (174/247)	91% (224/247)	28% (68/247)	92% (227/247)
	% ± 1 category	98% (242/247)	n/a	93% (230/247)	n/a	n/a	n/a
	PPA score=0	93% (418/448)	99% (474/481)	83% (330/397)	95% (436/459)	38% (112/291)	96% (432/452)
	PPA score=1	12% (4/33)	46% (6/13)	10% (6/62)	34% (12/35)	12% (24/203)	52% (22/42)
	PPA score=2	36% (4/11)	n/a	34% (12/35)	n/a	n/a	n/a
	PPA score=3	0% (0/2)	n/a	-	n/a	n/a	n/a
	ICC	0.43	0.44	0.27	0.29	0.02	0.48

ICC=Intraclass correlation coefficient from generalizability theory; PEA=Percent exact agreement; PPA=Chamberlain's percent positive agreement i.e. the proportion of the total number of ratings made in the two reads which were in agreement. *All joints scored 0 according to both reads. Metatarsophalangeal joint (MTPJ), tarsometatarsal joint (TMTJ)

Table S8: Inter-rater reproducibility of scoring bones for erosion and bone marrow lesion (BML) and using suggested cut-points for clinically relevant criteria (grade ≥ 1).

Bone (n=15)	Statistic	Erosion 0-3	Erosion ≥ 1	BML 0-3	BML ≥ 1
Distal metatarsal 1	PEA	77% (10/13)	77% (10/13)	69% (9/13)	69% (9/13)
	ICC	0.00	0.00	0.17	0.17
Distal metatarsal 2	PEA	92% (12/13)	92% (12/13)	100% (13/13)	100% (13/13)
	ICC	0.00	0.00	1	1
Distal metatarsal 3	PEA	100% (14/14)*	100% (14/14)*	100% (13/13)*	100% (13/13)*
	ICC	-	-	-	-
Distal metatarsal 4	PEA	100% (14/14)*	100% (14/14)*	100% (14/14)*	100% (14/14)*
	ICC	-	-	-	-
Distal metatarsal 5	PEA	100% (14/14)*	100% (14/14)*	100% (14/14)*	100% (14/14)*
	ICC	-	-	-	-
Proximal metatarsal 1	PEA	93%	93%	80%	80%
	ICC	0.00	0.00	0.73	0.49
Proximal metatarsal 2	PEA	80%	80%	73%	93%
	ICC	0.00	0.00	0.47	0.88
Proximal metatarsal 3	PEA	93%	93%	67%	73%
	ICC	0.00	0.00	0.50	0.83
Proximal metatarsal 4	PEA	100%*	100%*	80%	87%

	ICC	-	-	0.61	0.60
Proximal metatarsal 5	PEA	100%*	100%*	100%*	100%*
	ICC	-	-	-	-
Talus	PEA	93%	93%	87%	93%
	ICC	0.00	0.00	0.72	0.77
Calcaneus	PEA	100%*	100%*	93%	93%
	ICC	-	-	0.65	0.65
Navicular	PEA	100%*	100%*	87%	93%
	ICC	-	-	0.88	0.87
Medial cuneiform	PEA	100%*	100%*	93%	93%
	ICC	-	-	0.95	0.87
Intermediate cuneiform	PEA	87%	87%	60%	87%
	ICC	0.00	0.00	0.71	0.74
Lateral cuneiform	PEA	100%*	100%*	67%	73%
	ICC	-	-	0.41	0.26
Cuboid	PEA	100%*	100%*	53%	53%
	ICC	-	-	0.00	0.00
All bones	PEA	95% (236/248)	95% (236/248)	83% (204/247)	87% (216/247)
	% ± 1 category	>99% (247/248)	n/a	>99% (245/247)	n/a

PPA score=0	98% (472/484)	98% (472/484)	92% (348/379)	92% (348/379)
PPA score=1	0% (0/11)	0% (0/12)	49% (40/81)	73% (84/115)
PPA score=2	0% (0/1)	n/a	61% (20/33)	n/a
PPA score=3	-	n/a	0% (0/1)	n/a
ICC	0.00	0.00	0.68	0.64

ICC=Intraclass correlation coefficient from generalizability theory; PEA=Percent exact agreement; PPA=Chamberlain's percent positive agreement i.e. the proportion of the total number of ratings made in the two reads which were in agreement. *All bones scored 0 according to both reads.

Table S9: Inter-rater reproducibility of scoring of tenosynovitis per tendon per grade and with suggested cut-points for clinically relevant criteria ≥ 2 .

Tendon (n=15)	Statistic	Tenosynovitis 0-3	Tenosynovitis ≥ 2
Tibialis anterior	PEA	47%	93%
	ICC	0.24	0.00
Extensor hallucis longus	PEA	93%	100%*
	ICC	0.00	-
Extensor digitorum longus	PEA	80%	87%
	ICC	Negative	Negative
Peroneus brevis	PEA	73%	93%
	ICC	0.44	0.00
Peroneus longus	PEA	47%	87%
	ICC	0.32	0.44
Tibialis posterior	PEA	47%	93%
	ICC	0.50	0.65
Flexor hallucis longus	PEA	73%	87%
	ICC	0.56	0.44
Flexor digitorum longus	PEA	73%	87%
	ICC	0.61	0.47
All tendons	PEA	67% (80/120)	91% (109/120)
	% \pm 1 category	97% (116/120)	n/a
	PPA score=0	81% (142/175)	95% (212/223)
	PPA score=1	25% (12/48)	35% (6/17)
	PPA score=2	35% (6/17)	n/a
	PPA score=3	-	n/a
	ICC	0.35	0.23

ICC=Intraclass correlation coefficient from generalizability theory; PEA=Percent exact agreement; PPA=Chamberlain's percent positive agreement i.e. the proportion of the total number of ratings made in the two reads which were in agreement. *All tendons scored 0 according to both reads.

Table S10: Inter-rater reproducibility of scoring presence of bone lesion at five sub-tendon bone marrow lesion (BML) locations.

Site (n=15)	Statistic	Sub Tendon BML 0-1
Medial calcaneal: tibialis posterior	PEA	100%*
	ICC	-
Lateral calcaneal: peroneus longus	PEA	87%
	ICC	0.00
Navicular: tibialis posterior	PEA	93%
	ICC	0.65
Medial cuneiform: tibialis anterior	PEA	80%
	ICC	Negative
Cuboid: peroneus longus	PEA	53%
	ICC	Negative
All sites	PEA	83% (62/75)
	PPA score=0	90% (122/135)
	PPA score=1	13% (2/15)
	ICC	0.13

ICC=Intraclass correlation coefficient from generalizability theory; PEA=Percent exact agreement; PPA=Chamberlain's percent positive agreement i.e. the proportion of the total number of ratings made in the two reads which were in agreement. *All bones scored 0 according to both reads.

Table S11: Inter-rater reproducibility of scoring presence of bone marrow lesion (BML) associated with tendon entheses (present =1 absent =0).

Site (n=15)	Statistic	Enthesis BML 0-1
1 st metatarsal: plantar medial, tibialis anterior	PEA	100%
	ICC	1
1 st metatarsal: plantar lateral, peroneal longus	PEA	80%
	ICC	0.46
2 nd , 3 rd or 4 th metatarsal: plantar, tibialis posterior	PEA	93%
	ICC	0.00
5 th metatarsal: proximal dorso-lateral, peroneal brevis	PEA	100%*
	ICC	-
Medial cuneiform: plantar distal-medial, tibialis anterior	PEA	93%
	ICC	0.00
Medial cuneiform: plantar distal-lateral, peroneal longus	PEA	87%
	ICC	0.00
Medial cuneiform: plantar proximal, tibialis posterior	PEA	73%
	ICC	0.20
Lateral cuneiform: plantar medial, tibialis posterior	PEA	93%
	ICC	0.00
Navicular: plantar medial, tibialis posterior	PEA	100%*
	ICC	-
All sites	PEA	91% (123/135)
	PPA score=0	95% (238/250)
	PPA score=1	40% (8/20)
	ICC	0.34

ICC=Intraclass correlation coefficient from generalizability theory; PEA=Percent exact agreement; PPA=Chamberlain's percent positive agreement i.e. the proportion of the total number of ratings made in the two reads which were in agreement. *All bones scored 0 according to both reads.

Table S12: Inter-rater reproducibility of scoring for presence of ligament involvement per site (present =1 absent =0).

Ligament (n=15)	Statistic	Ligament 0-1
Lisfranc	PEA	60%
	ICC	0.18
Intertarsal	PEA	87%
	ICC	0.00
All ligaments	PEA	73% (22/30)
	PPA score=0	83% (38/46)
	PPA score=1	43% (6/14)
	ICC	0.33

ICC=Intraclass correlation coefficient from generalizability theory; PEA=Percent exact agreement; PPA=Chamberlain's percent positive agreement i.e. the proportion of the total number of ratings made in the two reads which were in agreement.