

- Se hará una exploración ecográfica, en escala de grises y power-Doppler 2D, bilateral de las siguientes entesis: distal de tríceps y cuádriceps, tendón rotuliano proximal y distal, tendón de Aquiles y fascia plantar.
- En cada entesis se valorará la actividad de la enfermedad y el daño estructural mediante la exploración de los siguientes parámetros:
 - grosor (puntuación 0-1)
 - estructura (puntuación 0-1)
 - calcificaciones (puntuación 0-3)
 - erosiones (puntuación 0 ó 3)
 - bursas (puntuación 0-1)
 - señal power-Doppler (puntuación 0 ó 3).

Table 2 Madrid Sonographic Enthesis Index (MASEI)

Data	Value
<i>Inferior pole of the calcaneus: plantar aponeurosis enthesis</i>	
Plantar aponeurosis structure	(0 or 1)
Plantar aponeurosis thickness >4.4 mm	(0 or 1)
Inferior pole of calcaneus erosion	(0 or 3)
Inferior pole of calcaneus enthesis calcification	(0, 1, 2 or 3)
Plantar aponeurosis enthesis power Doppler	(0 or 3)
<i>Superior pole of the calcaneus: Achilles tendon enthesis</i>	
Achilles tendon structure	(0 or 1)
Achilles tendon thickness >5.29 mm	(0 or 1)
Retrocalcaneal bursitis	(0 or 1)
Posterior pole of calcaneus erosion	(0 or 3)
Posterior pole of calcaneus enthesis calcification	(0, 1, 2 or 3)
Posterior pole of calcaneus power Doppler	(0 or 3)
<i>Tibial tuberosity: distal patellar ligament enthesis</i>	
Patellar ligament structure	(0 or 1)
Patellar ligament thickness >4 mm	(0 or 1)
Infrapatellar bursitis	(0 or 1)
Tibial tuberosity erosion	(0 or 3)
Tibial tuberosity enthesis calcification	(0, 1, 2 or 3)
Tibial tuberosity enthesis power Doppler	(0 or 3)
<i>Inferior pole of the patella: proximal patellar ligament enthesis</i>	
Patellar ligament structure	(0 or 1)
Patellar ligament thickness >4 mm	(0 or 1)
Inferior pole of patella erosion	(0 or 3)
Inferior pole of patella enthesis calcification	(0, 1, 2 or 3)
Inferior pole of patella enthesis power Doppler	(0 or 3)
<i>Superior pole of the patella: quadriceps tendon enthesis</i>	
Quadriceps tendon structure	(0 or 1)
Quadriceps tendon thickness >6.1 mm	(0 or 1)
Superior pole of patella erosion	(0 or 3)
Superior pole of patella enthesis calcification	(0, 1, 2 or 3)
Superior pole of patella enthesis power Doppler	(0 or 3)
<i>Olecranon tuberosity: triceps tendon enthesis</i>	
Triceps tendon structure	(0 or 1)
Triceps tendon thickness >4.3 mm	(0 or 1)
Olecranon erosion	(0 or 3)
Olecranon enthesis calcification	(0, 1, 2 or 3)
Olecranon enthesis power Doppler	(0 or 3)

Each item scores one point, except for calcification (0, 1, 2 or 3) and erosion and Doppler signal (0 or 3). The total possible score on both sides (12 entheses) is 136.

Sensitivity 83.3%, specificity 82.8%, positive predictive value 80.8%, negative predictive value 85.7%, positive likelihood ratio (LR+) 4.87, negative likelihood ratio (LR-) 0.19.