

Amsterdam MRI assessment of the Physis

evaluation form

Observer name

Patient ID

Date

____ / ____ / ____
 dd / mmm / yyyy

A. Epiphysis

Radius

GRADE 0 1 2 3 4 5

Bone marrow oedema

Extent

None / <50% / >50% of epiphyseal volume

Location

None / adjacent / not adjacent to physis

Signal intensity

None / 1 (minimal) / 2 / 3 / 4 / 5 (maximal)

Visibility on 3D WATSc

None / not visible / visible

B. Physis

Radius

GRADE 0 1 2 3 4 5

Thickness

Normal / increased

Thickness compared to

proximal physis of first metacarpal

Not increased / 2x / 3x / 4x thicker

Signal intensity

Normal / 1 (slightly increased) / 2 / 3 / 4 (maximal)

C. Metaphysis

Radius

GRADE 0 1 2 3 4 5

Ulna

0 1 2 3 4 5

Physeal border on metaphyseal side

Undulating / slightly irregular / distinctly irregular

Metaphyseal intrusions

Absent / present

Connection of intrusion with physis

None / connected / not connected with physis

Depth of intrusions

None / <2 mm / >2 mm

Bone marrow oedema

Signal intensity

None / 1 (minimal) / 2 / 3 / 4 / 5 (maximal)