

Measures of Disease Severity and Progression

Functional motor scales

- Medical Research Council (MRC) scale
- 6-minute walk test (6MWT)
- Gait, Stairs, Gowers' Maneuver, Chair (GSGC) test
- Quick Motor Function Test (QMFT)
- Rasch-built Pompe-specific Activity (R-PAct) scale

Spirometry

Sitting and supine FVC, MIP, and MEP

Biomarkers







Patient-Reported Outcomes Measures



Measurement Information System (PROMIS) Pompe Disease Severity Scale (PDSS)

Patient-Reported Outcomes

- Pompe Disease Impact Scale (PDIS)
- General scales
- 12-Item Short-Form Health Survey (SF-12)
 - EuroQol-5-Dimension-5-Level (EQ-5D-5L)
 - Change (PGIC)

Patient Global Impression of

Baseline Ongoing/response to therapy

Infantile-Onset Disease Monitoring

Cardiac status Development

- milestones/ physical therapy
- evaluation Respiratory status **Biomarkers** - CK, Hex4
- results prior to immunomodulation

Patient-reported

outcomes

Baseline laboratory

— Developmental milestones/physical therapy: at each infusion

Respiratory status: at each infusion

— Cardiac status: every 1-6 months

- Biomarkers: CK, Hex4 Every 1-6 months
- Every 1-2 months when undergoing ITI
- Recovery from immunomodulation Antidrug antibodies
 - Every 1-6 months Every 1-2 months when

undergoing ITI

CD19 recovery Patient-reported

Every 2 months following

- outcomes

Late-Onset Disease Monitoring

Ongoing/response to therapy

- 6MWT Respiratory status

Baseline

Motor function

evaluation

PFTs, FVC

- CK, Hex4
- Patient-
- outcomes



— Respiratory status: every 6-12 months

Biomarkers - CK, Hex4

Motor function evaluation

Imaging

- 6MWT

- Muscle MRI/ultrasound Patient-reported outcomes

Abbreviations

CK: creatine kinase CRIM: cross-reactive immunologic material

FVC: forced vital capacity Hex4: urinary glucose tetrasaccharide

MIP: maximal inspiratory pressure MEP: maximal expiratory pressure

MRI: magnetic resonance imaging

PFT: pulmonary function test

References

2017;120:163-172. Kishnani PS, et al. Genet Med. 2006;8:267-288.

Chan J, et al. Mol Genet Metab.