Fractional Polynomial (3), adjusted for covariates

The following the fo

Fractional Polynomial (-2 -2), adjusted for covariates

100 Weight in kg (continuous)

50

150

180

Appendix 3 Best fitting fractional polynomial transformations for continuous predictors

120

140

Partial predictor+residual of OUTbirthwgt_cont

4000

2000

160

Height in cm (continuous)

The number in brackets shows the best fitting transformation, where (3) is FP1 with a power of x^3 , (-1) is FP1 with the reciprocal (power x^{-1}), and (-2 -2) is FP2 with the powers of x^{-2} and x^{-2} ln x

30 40
OUTCOME Gestational Age at Delivery in weeks (continuous)

^{*}Given the shape of selected FP2 transformation, predictions will not be clinically relevant when based on assumed gestational ages below 23 weeks (dotted line).