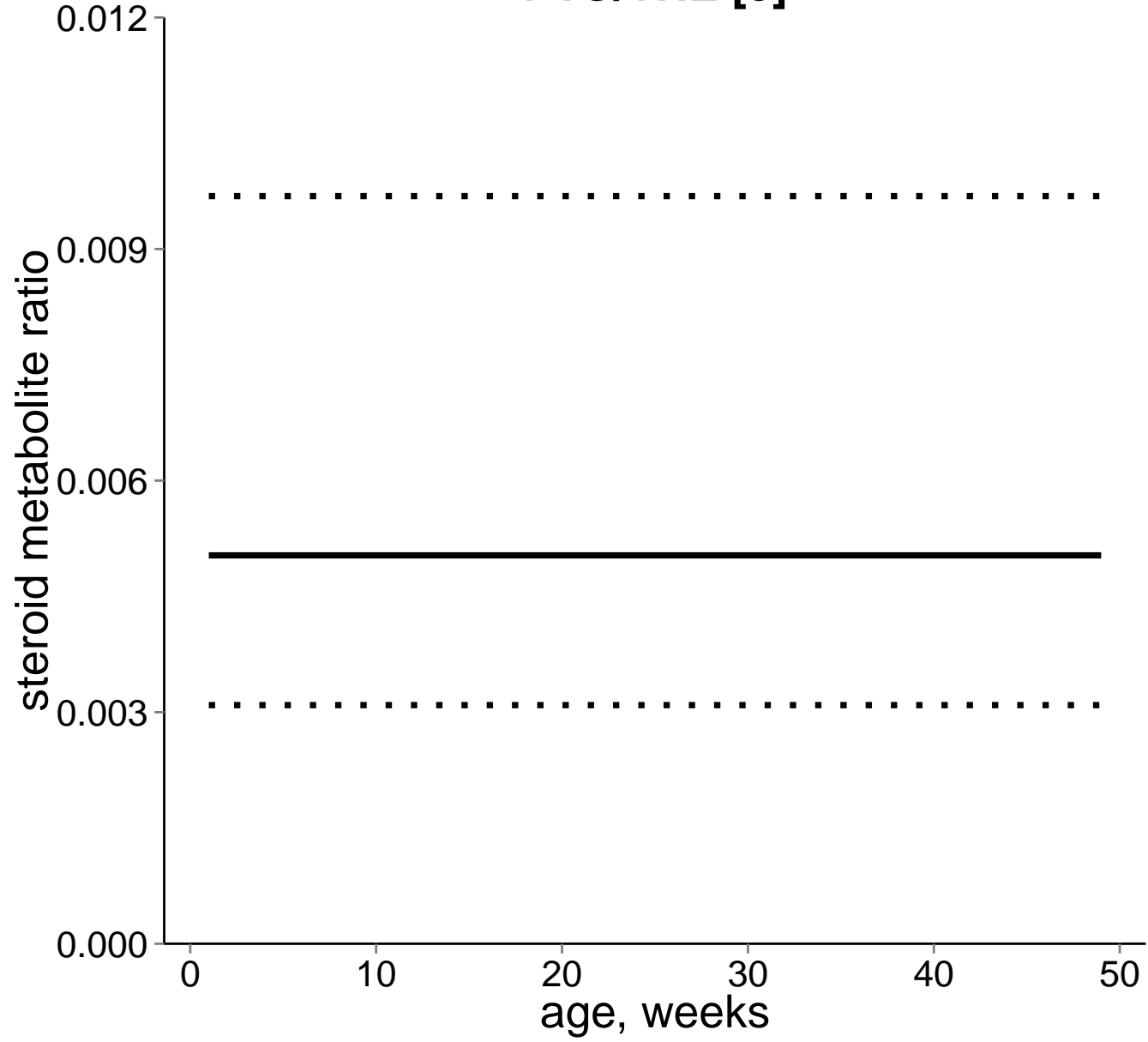
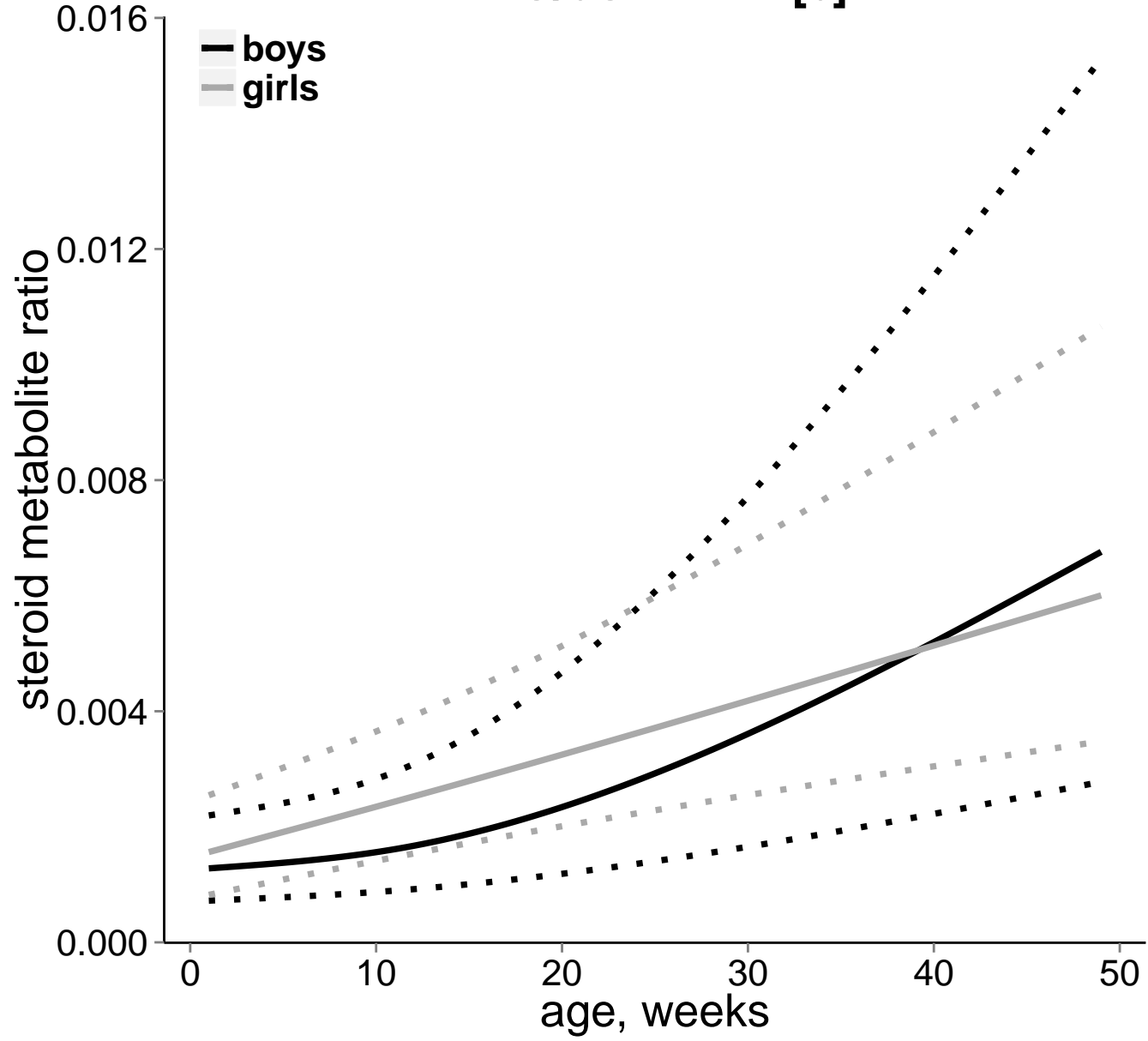


21-hydroxylase PTO/THE [5]

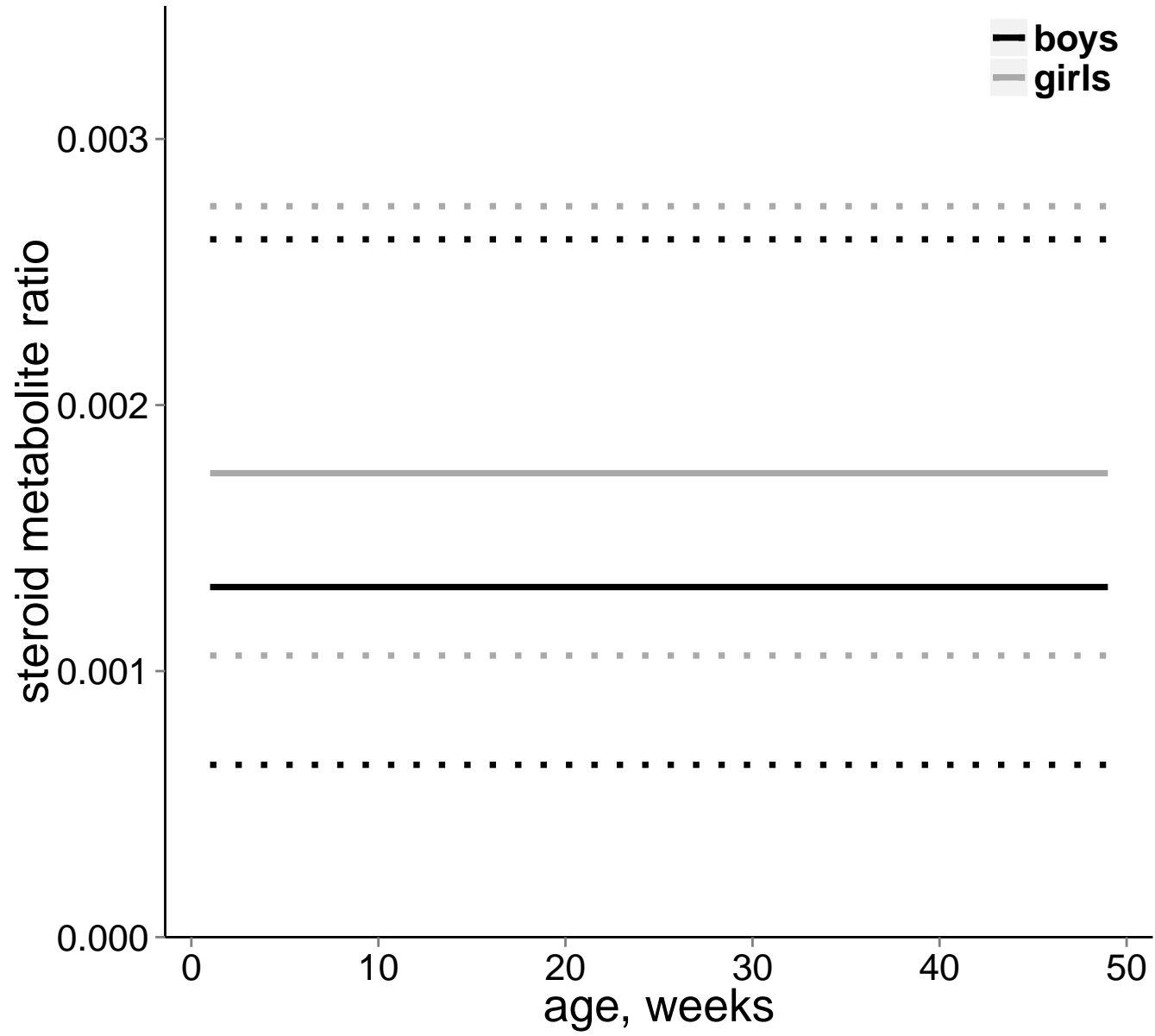


21-hydroxylase PTO/6OH-THE [6]



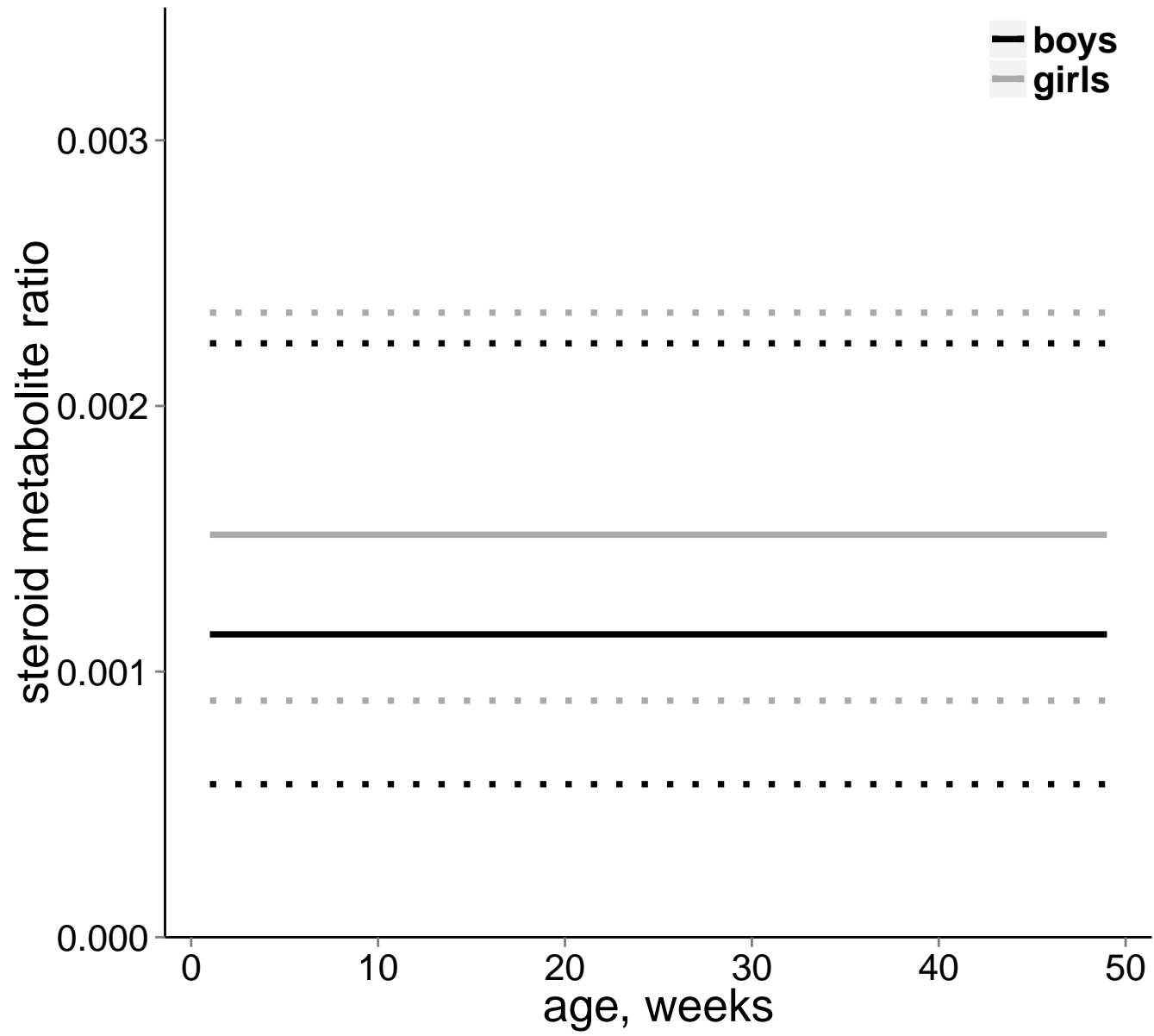
21-hydroxylase

$\text{PTO}/(\text{THE}+6\text{OH-THE}) [7]$

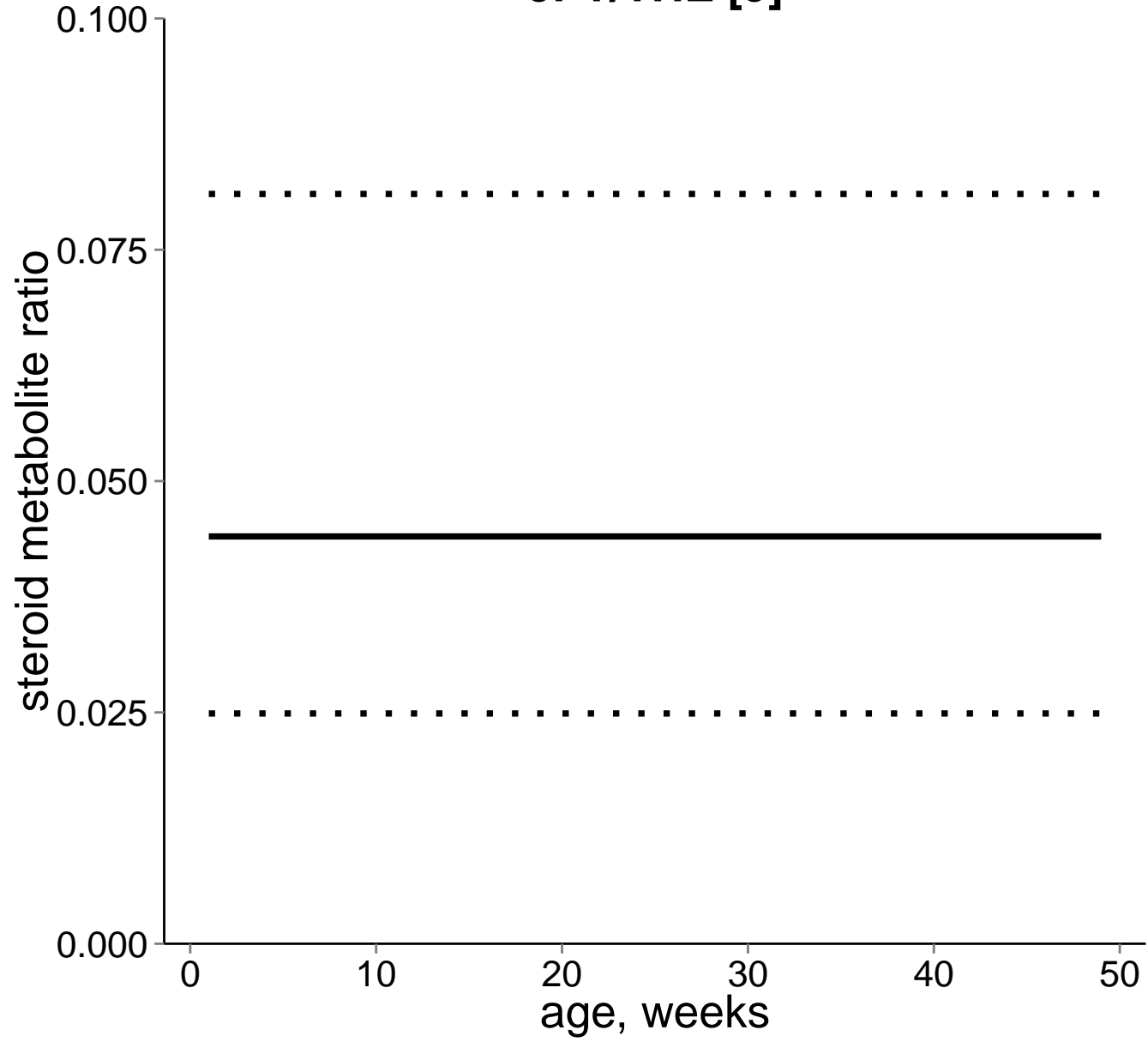


21-hydroxylase

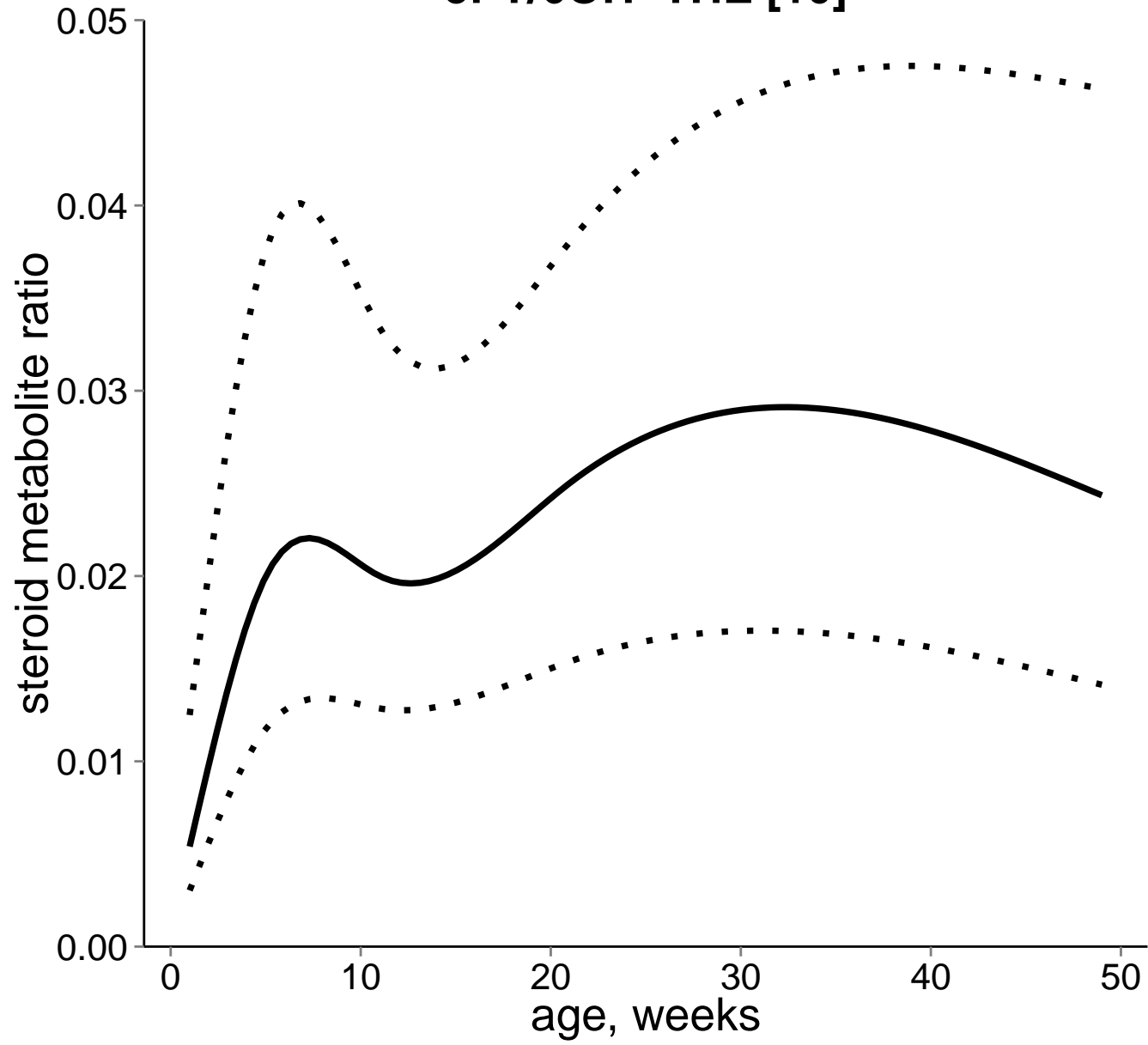
PTO/(THE+6OH-THE+6OH-β-CI) [8]



3 β -HSD
5PT/THE [9]

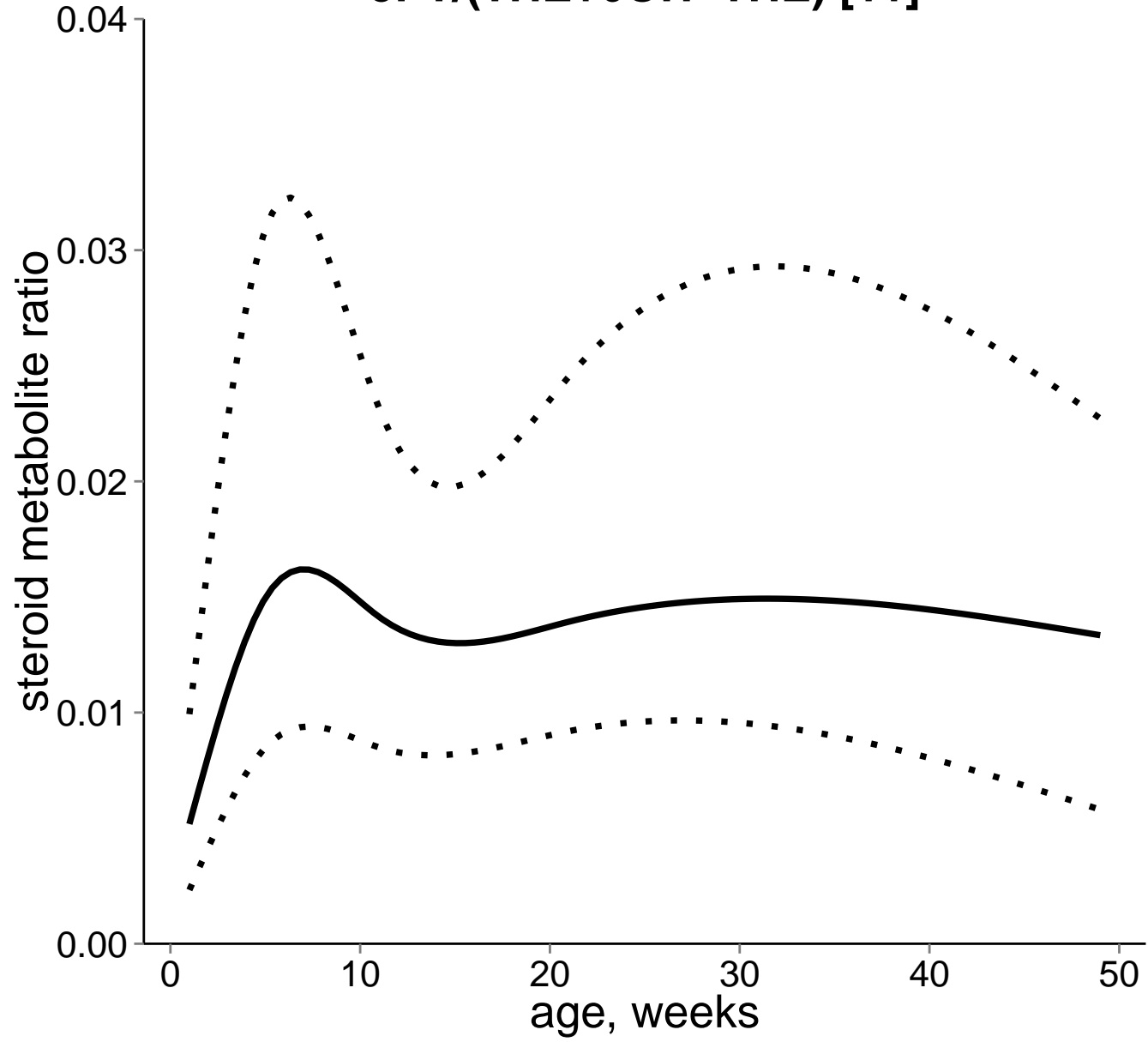


3 β -HSD
5PT/6OH-THE [10]



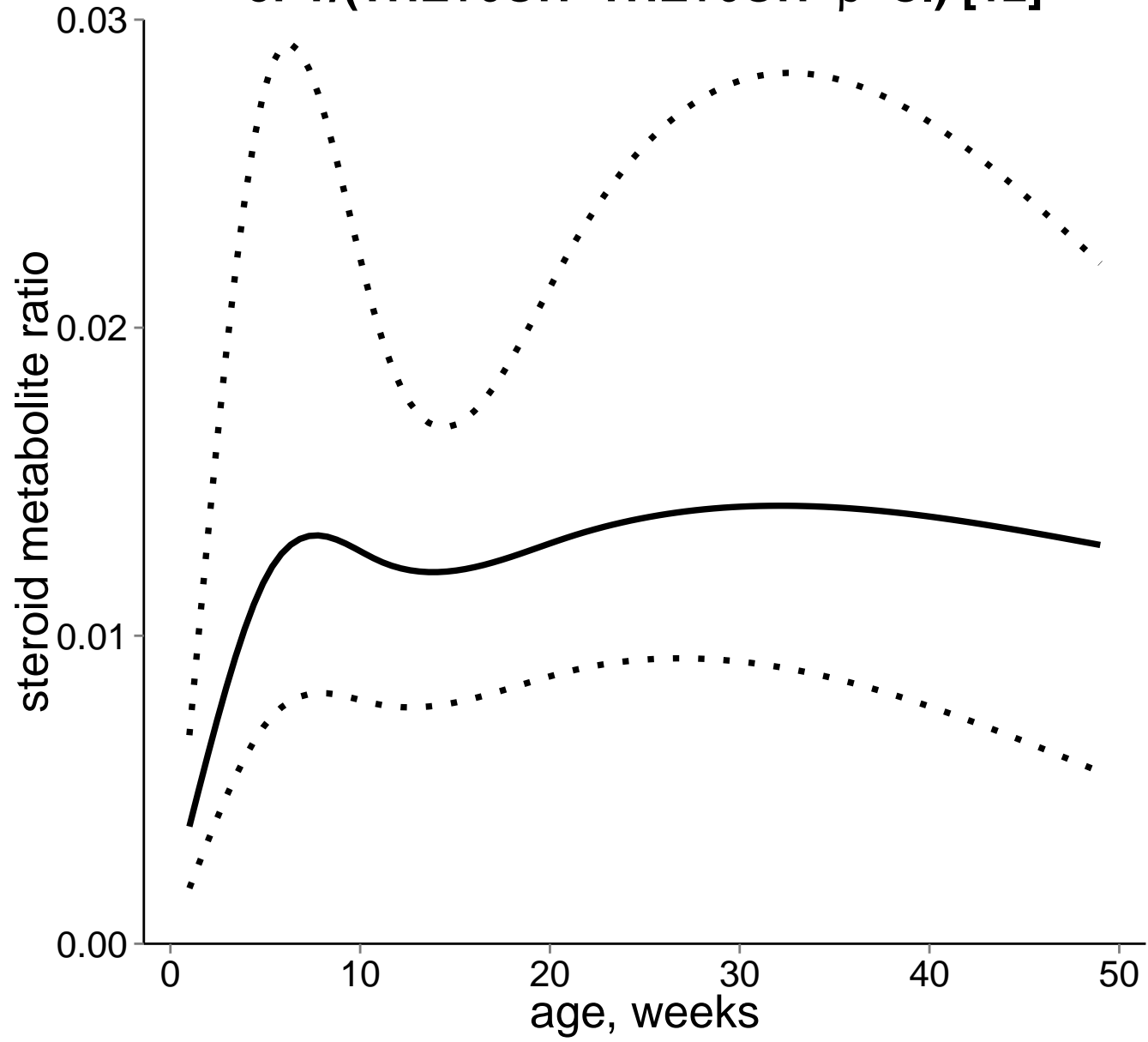
3β -HSD

5PT/(THE+6OH-THE) [11]

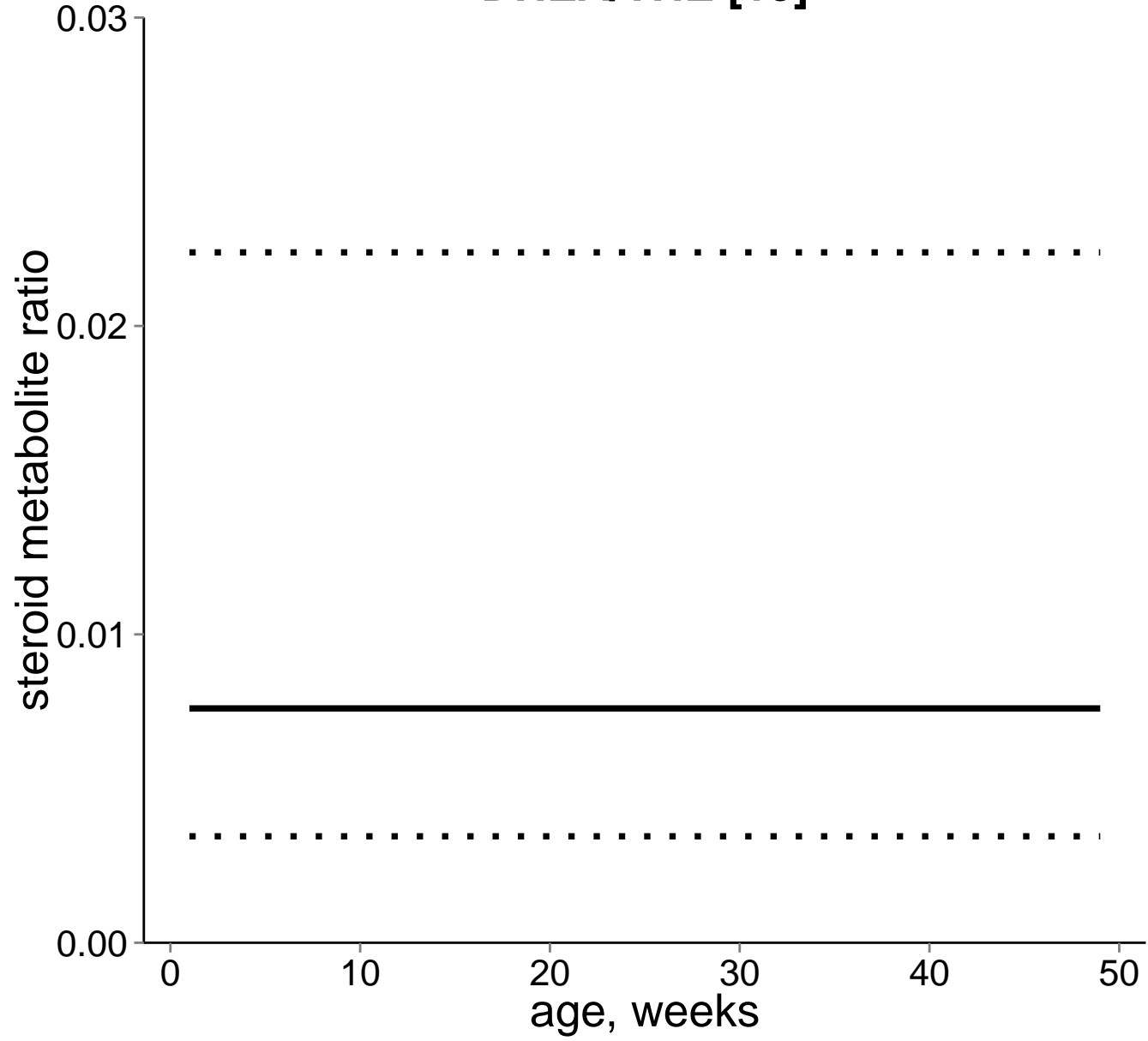


3β -HSD

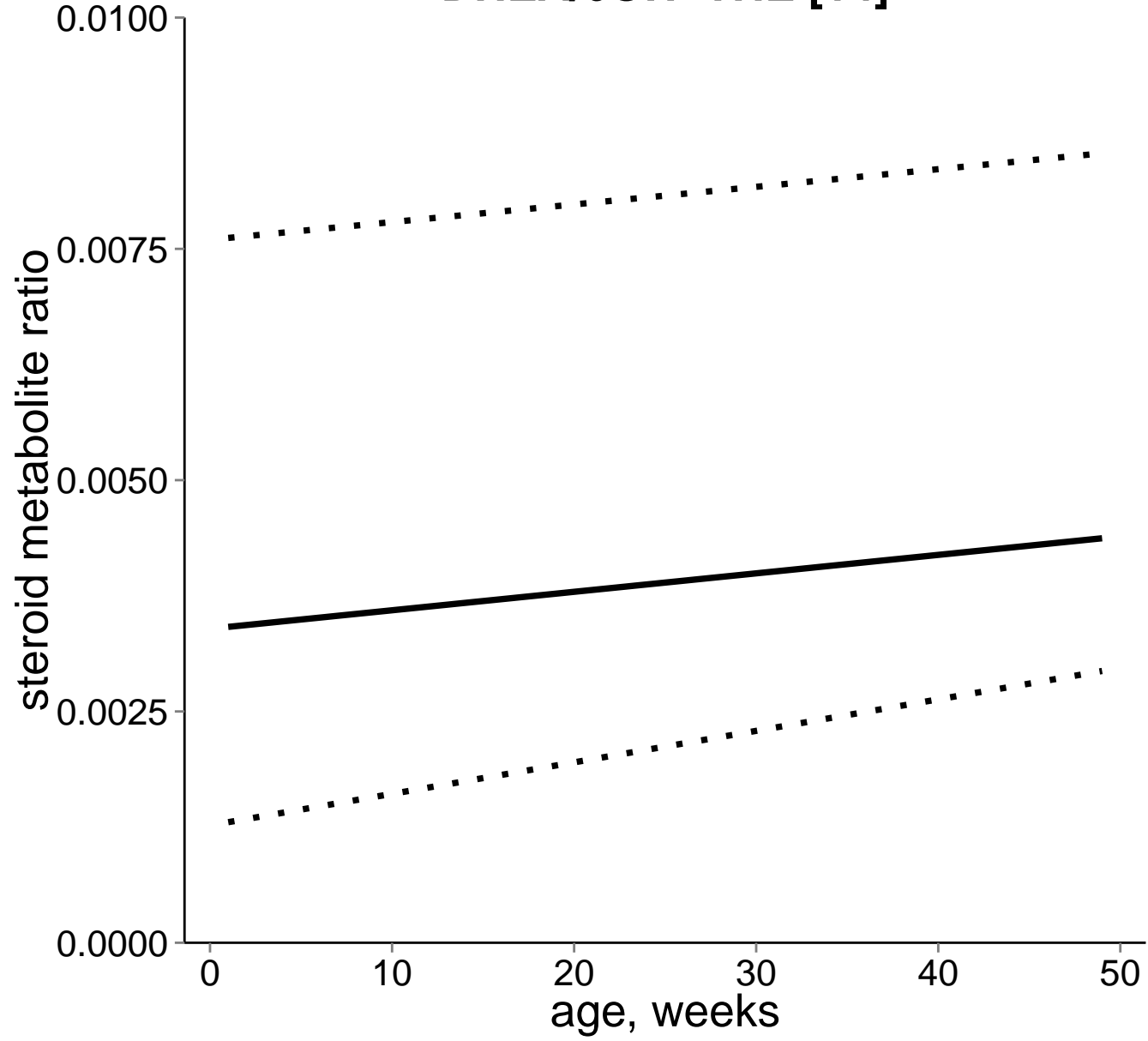
$5PT/(THE+6OH-THE+6OH-\beta-CI)$ [12]



3 β -HSD DHEA/THE [13]

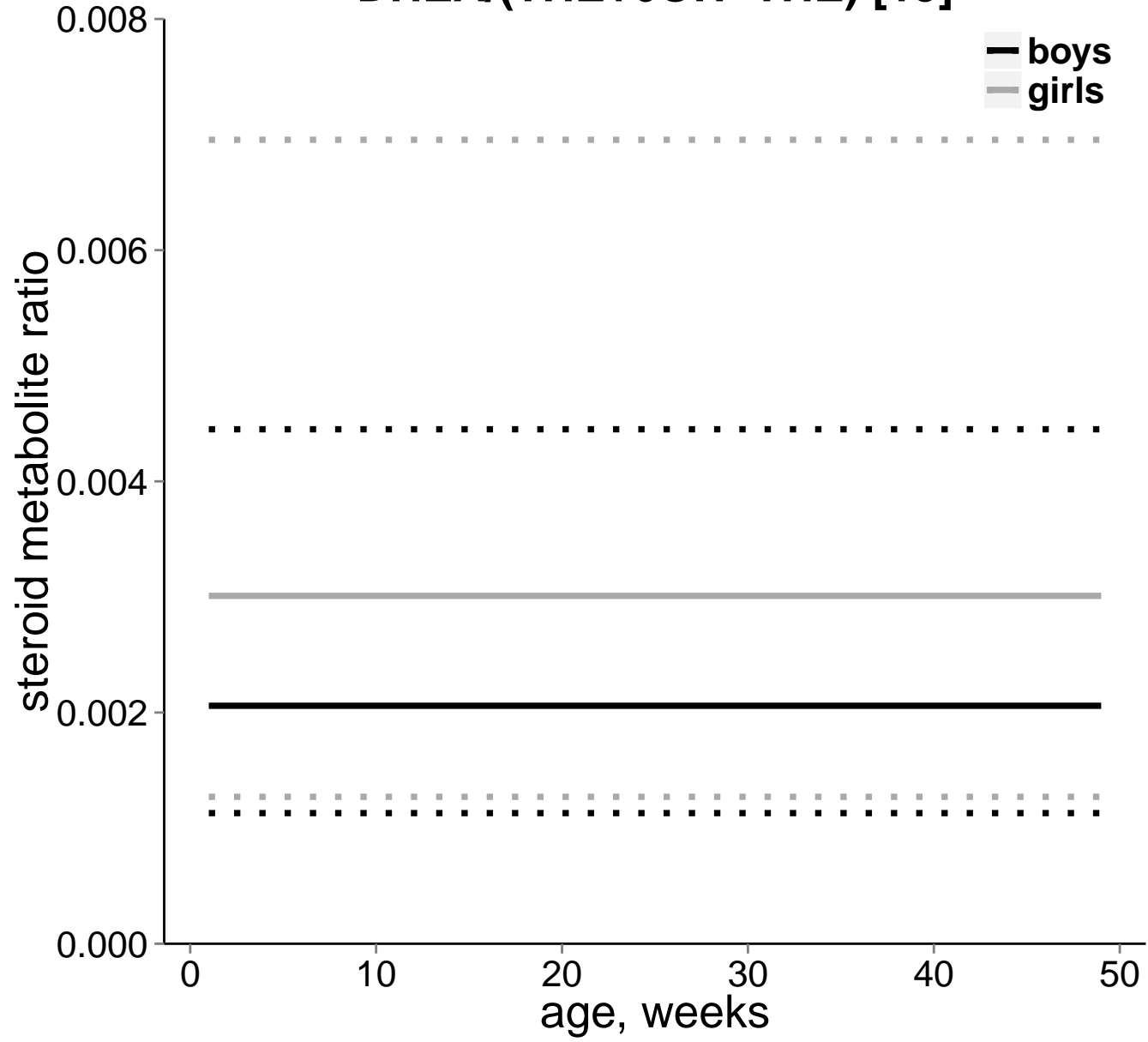


3 β -HSD DHEA/6OH-THE [14]



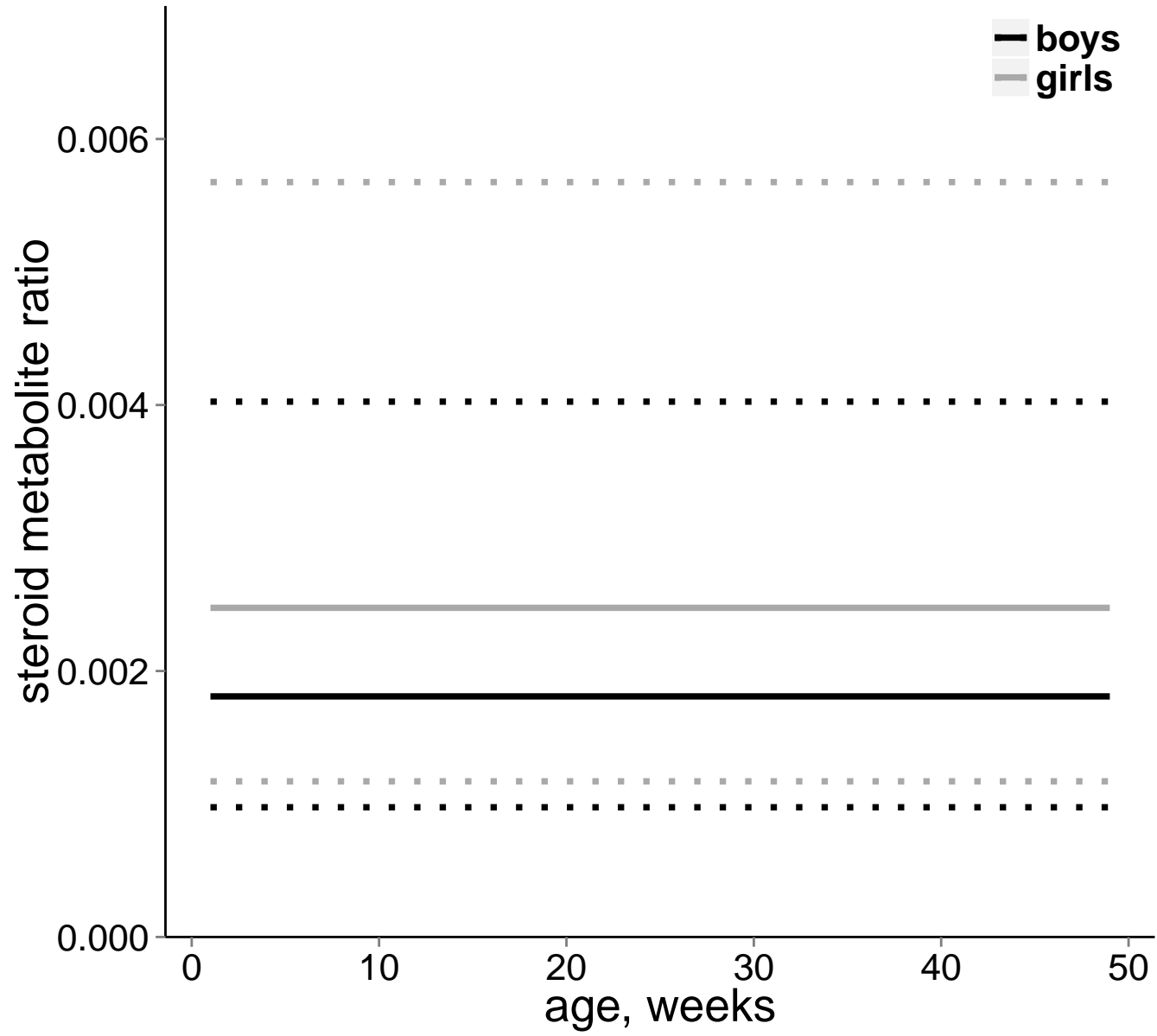
3β -HSD

DHEA/(THE+6OH-THE) [15]

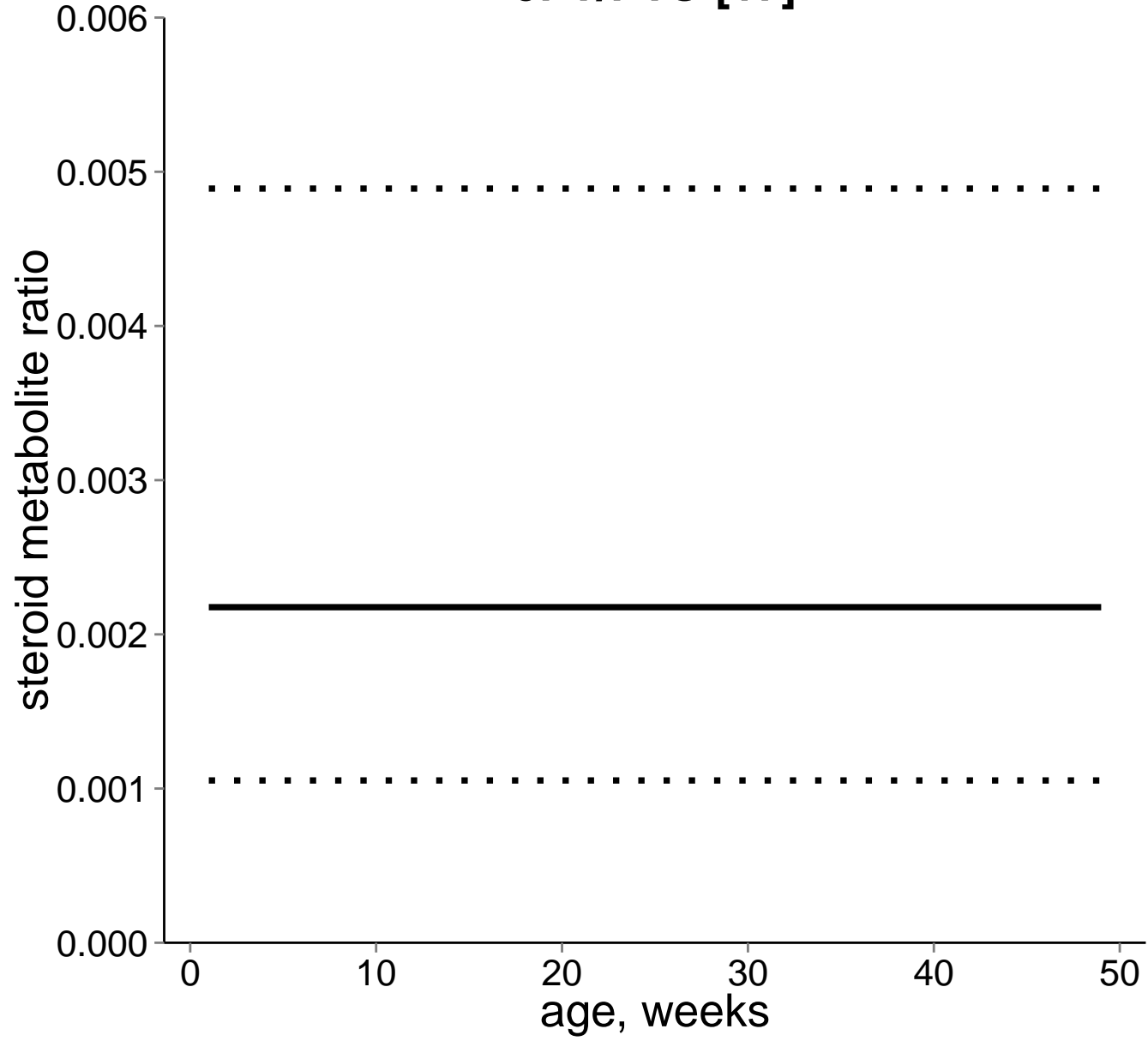


3β -HSD

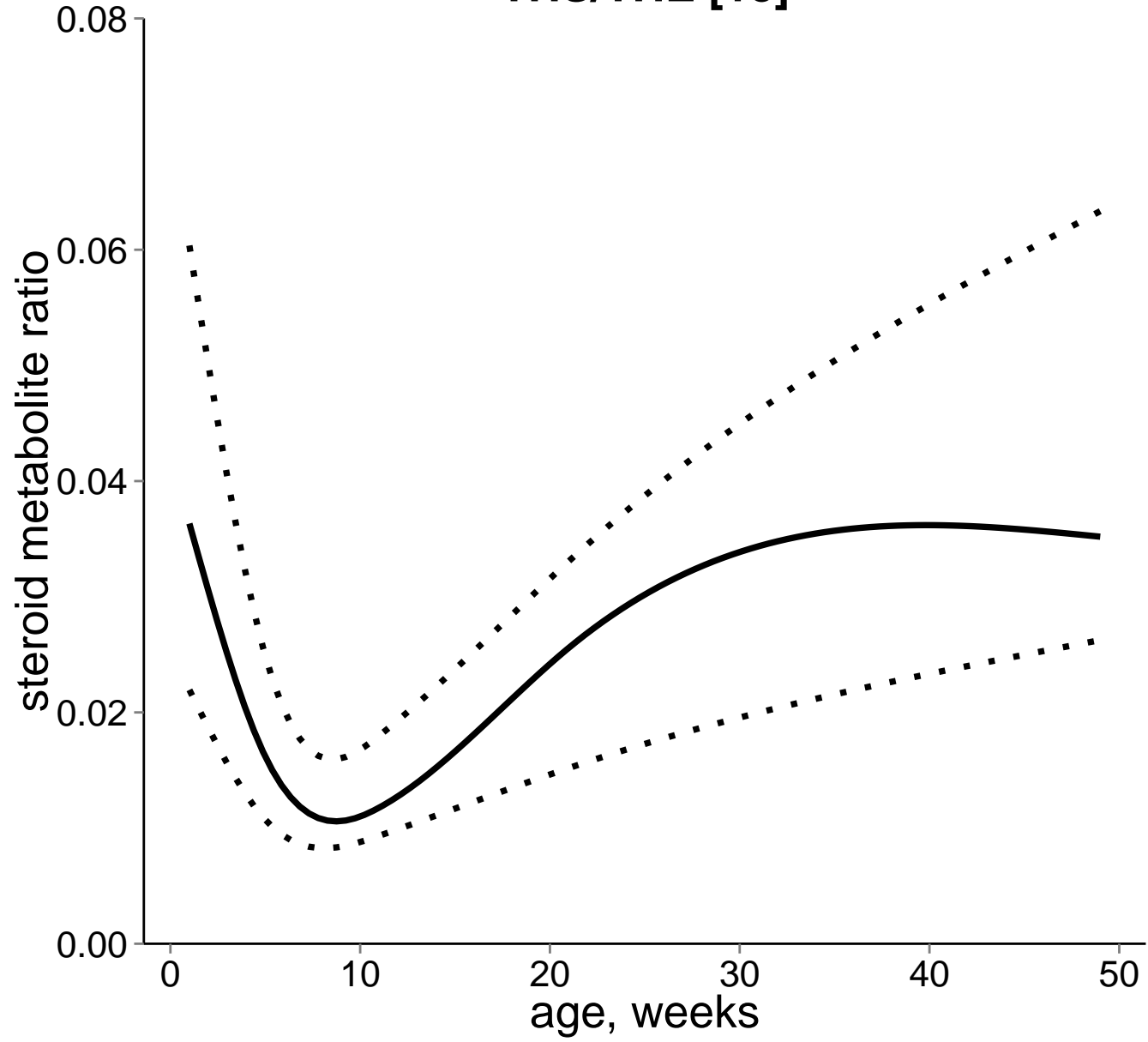
DHEA/(THE+6OH-THE+6OH- β -CI) [16]



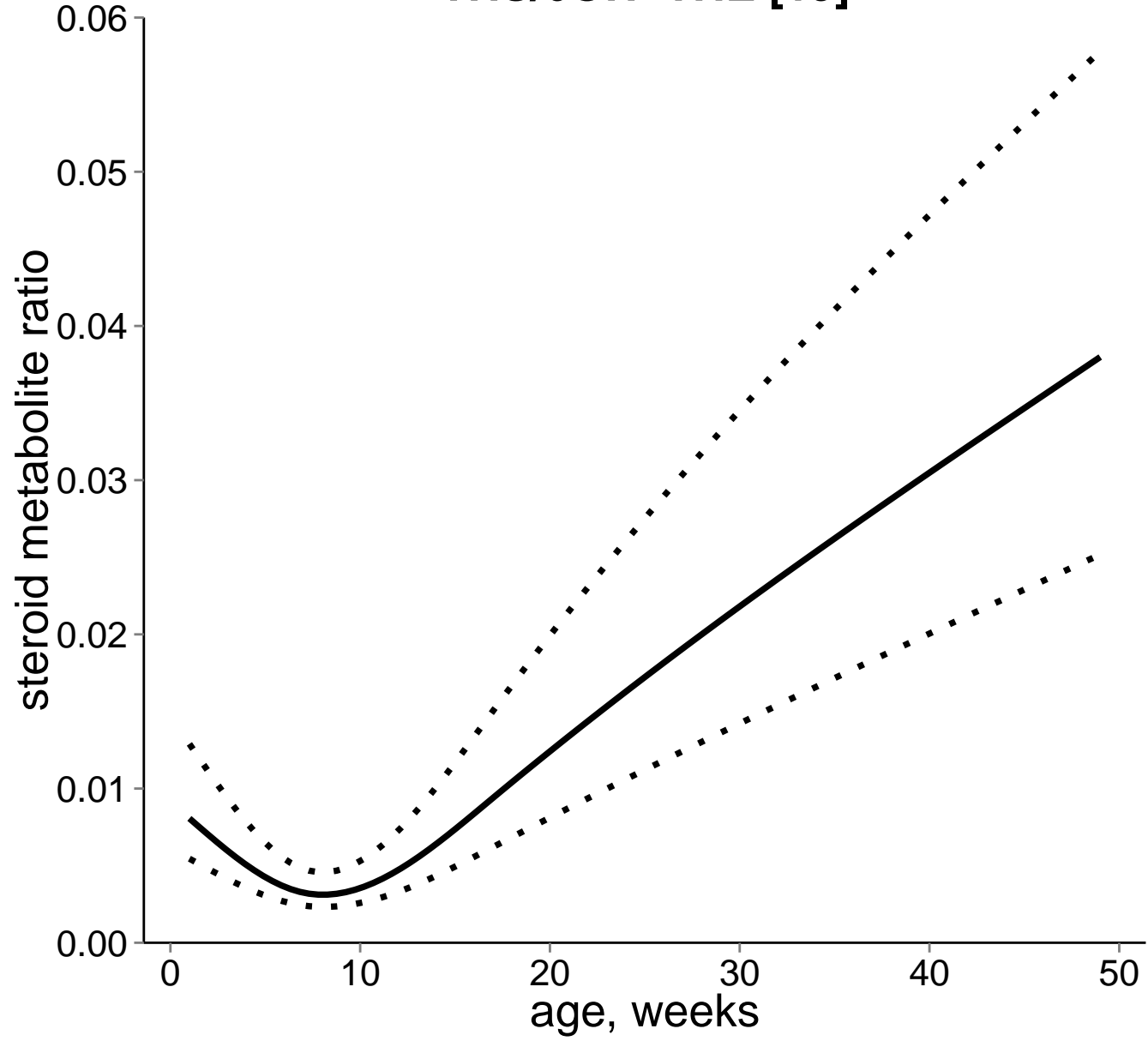
To distinguish 21-hydroxylase from 3β -HSD 5PT/PTO [17]



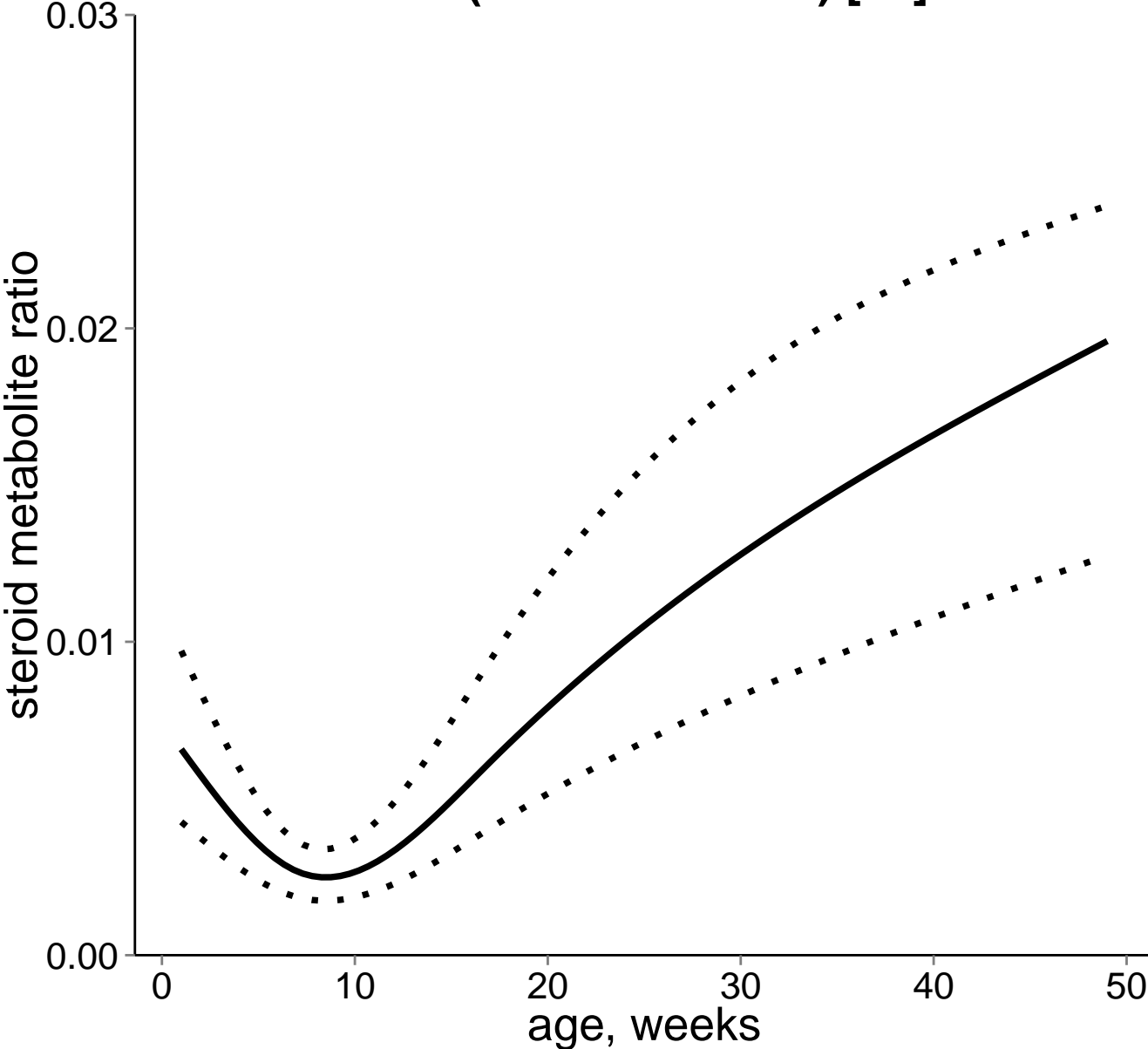
11 β -hydroxylase THS/THE [18]



11 β -hydroxylase THS/6OH-THE [19]

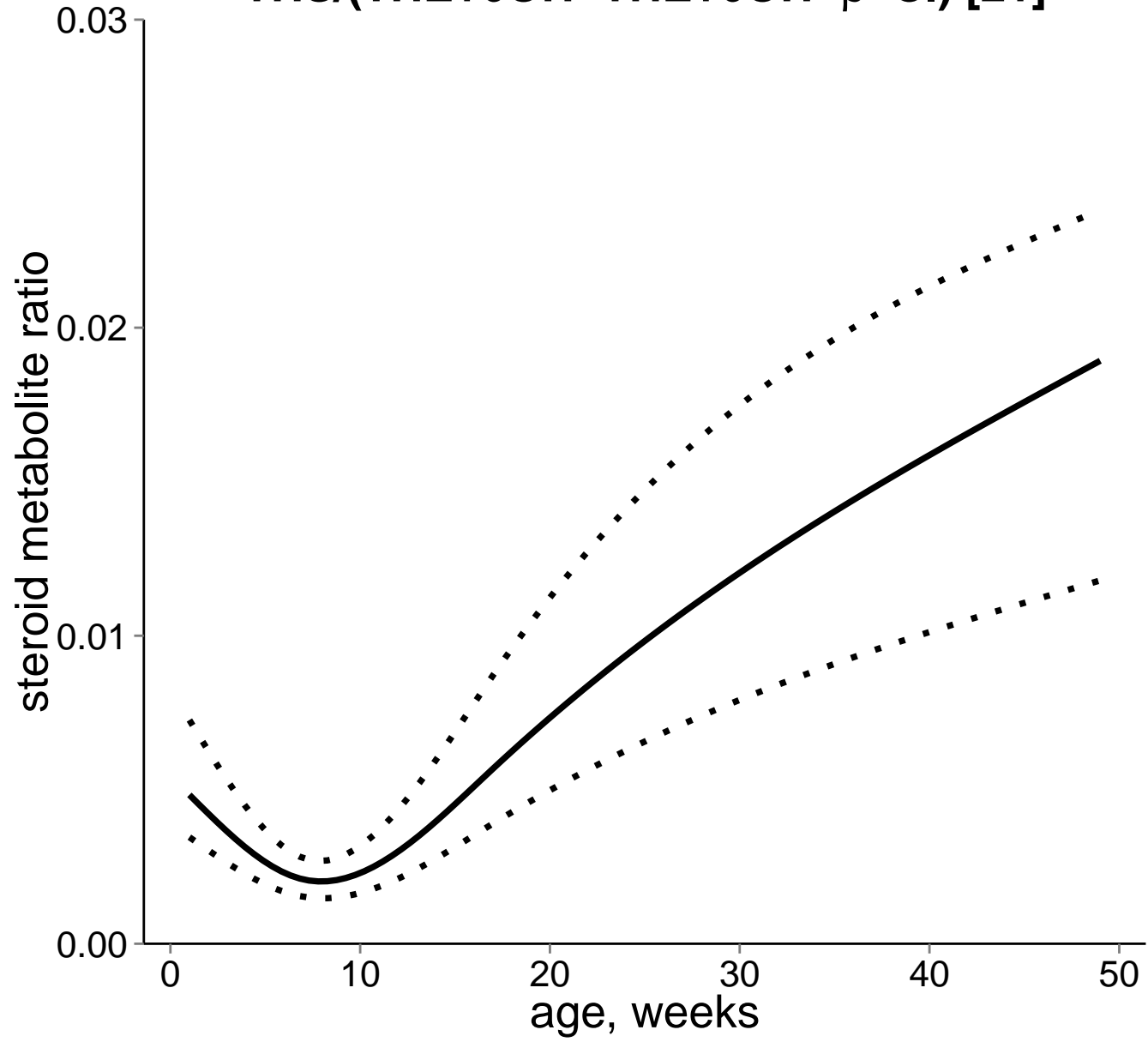


11 β -hydroxylase THS/(THE+6OH-THE) [20]

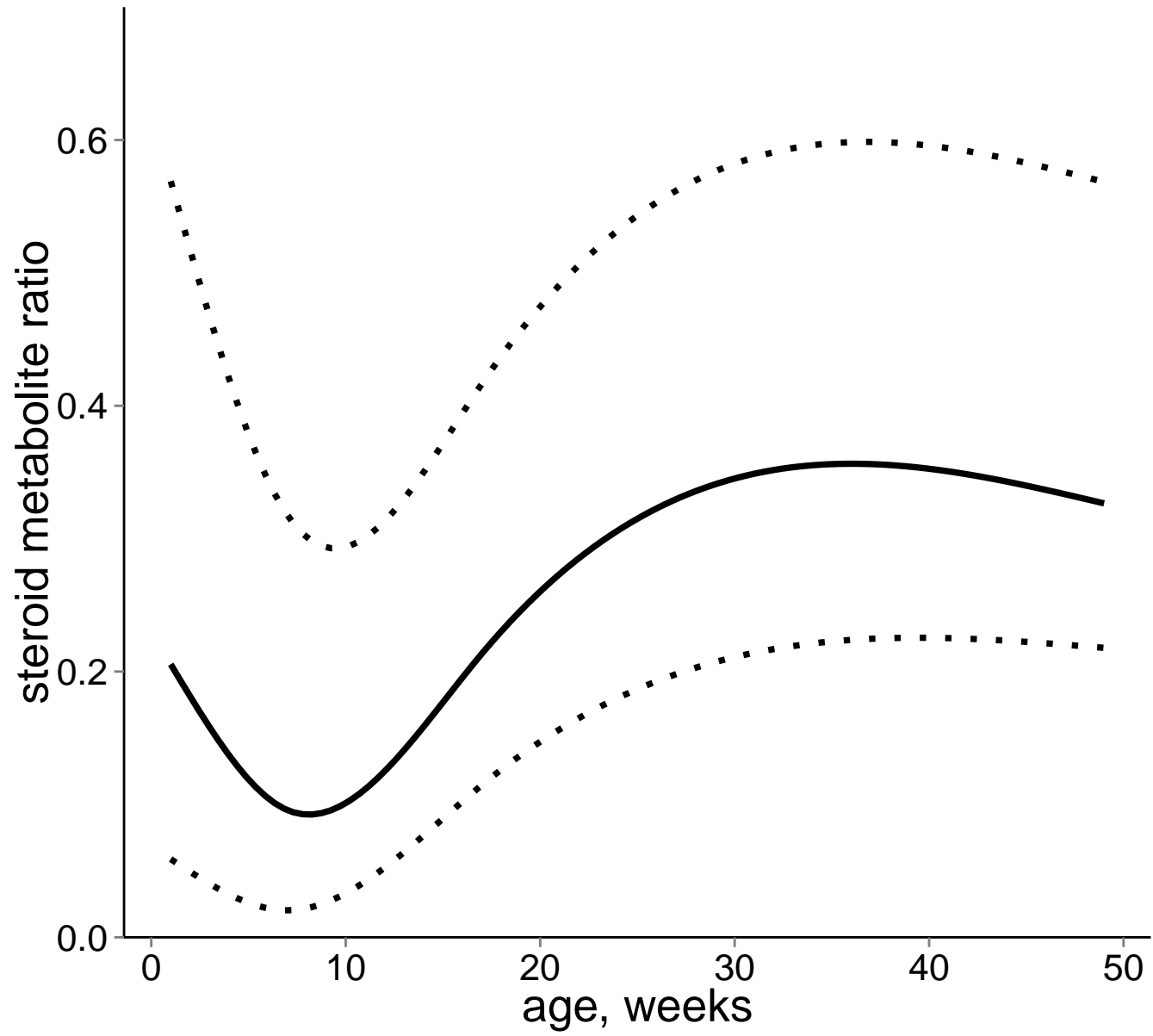


11 β -hydroxylase

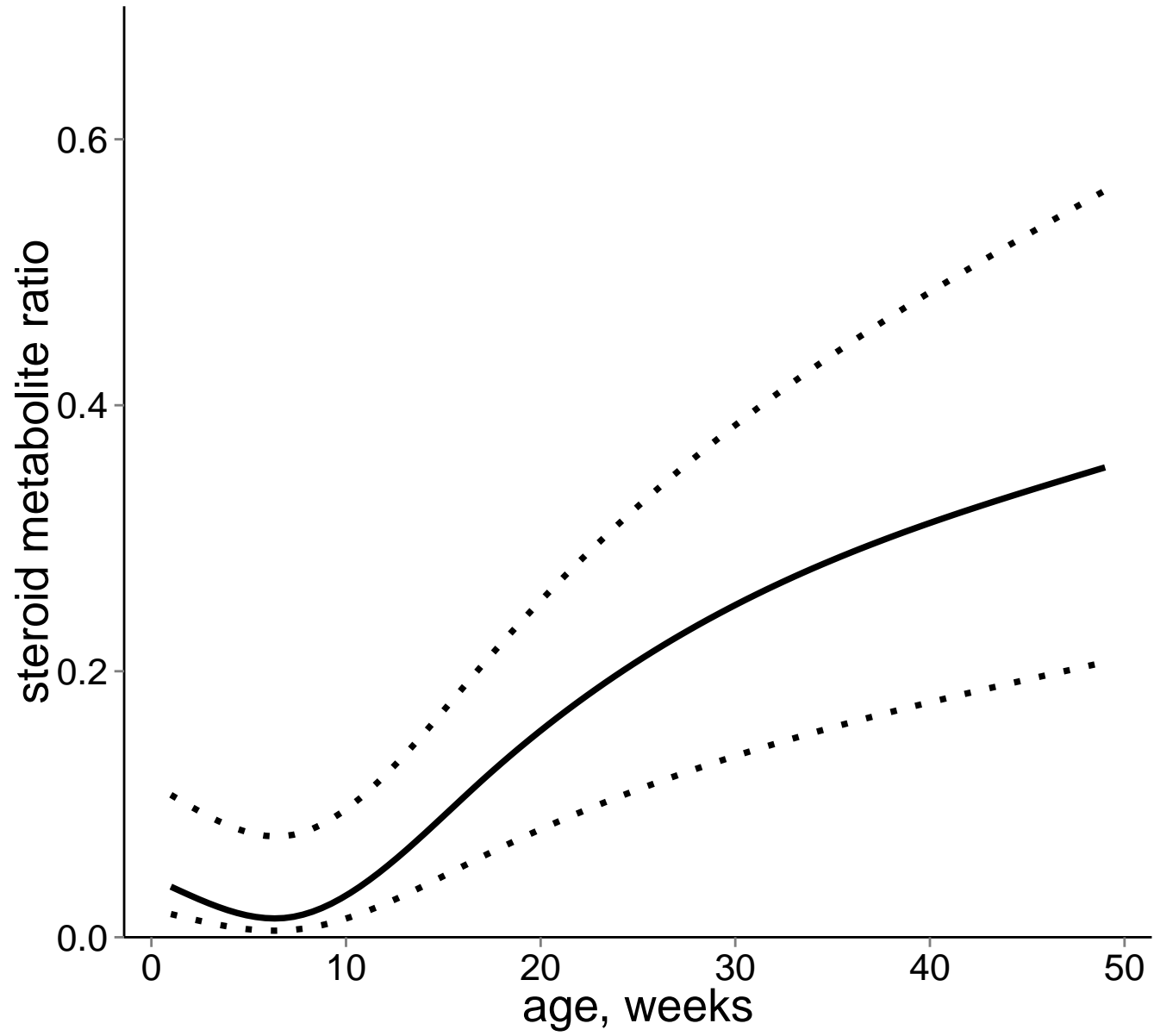
THS/(THE+6OH-THE+6OH- β -CI) [21]



17 α -hydroxylase THA+THB+5 α THB/THE [22]

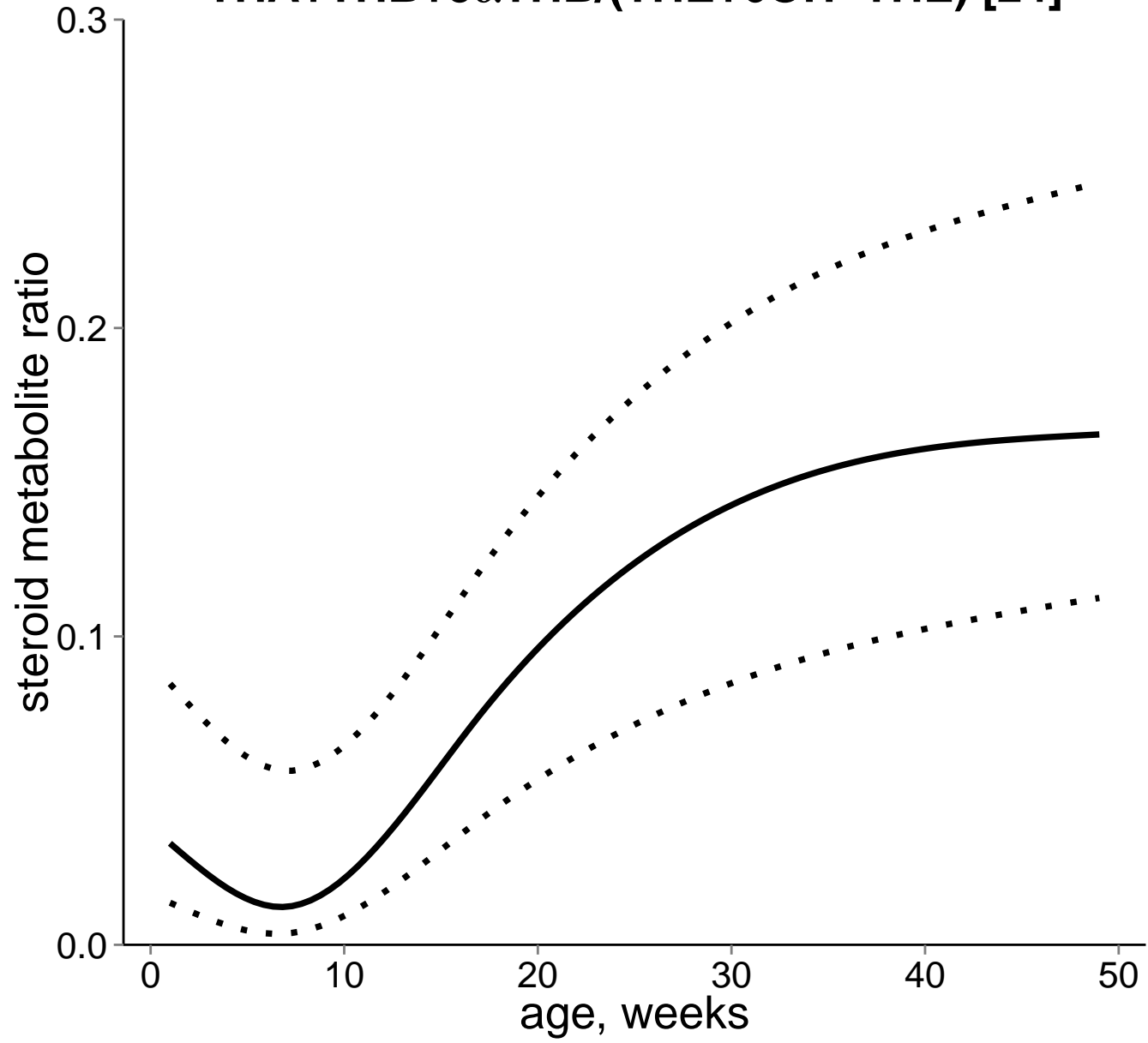


17 α -hydroxylase THA+THB+5 α THB/6OH-THE [23]

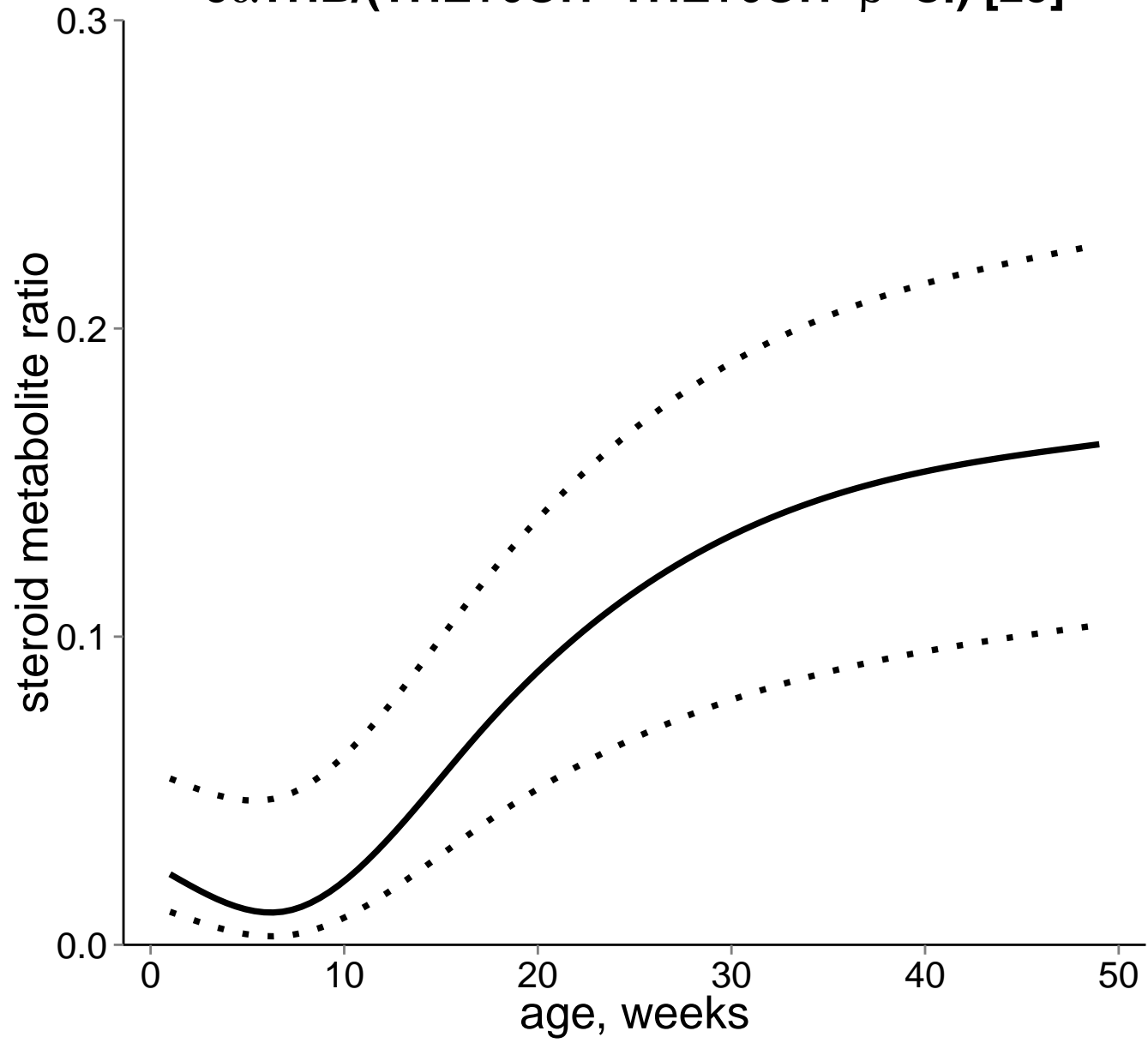


17 α -hydroxylase

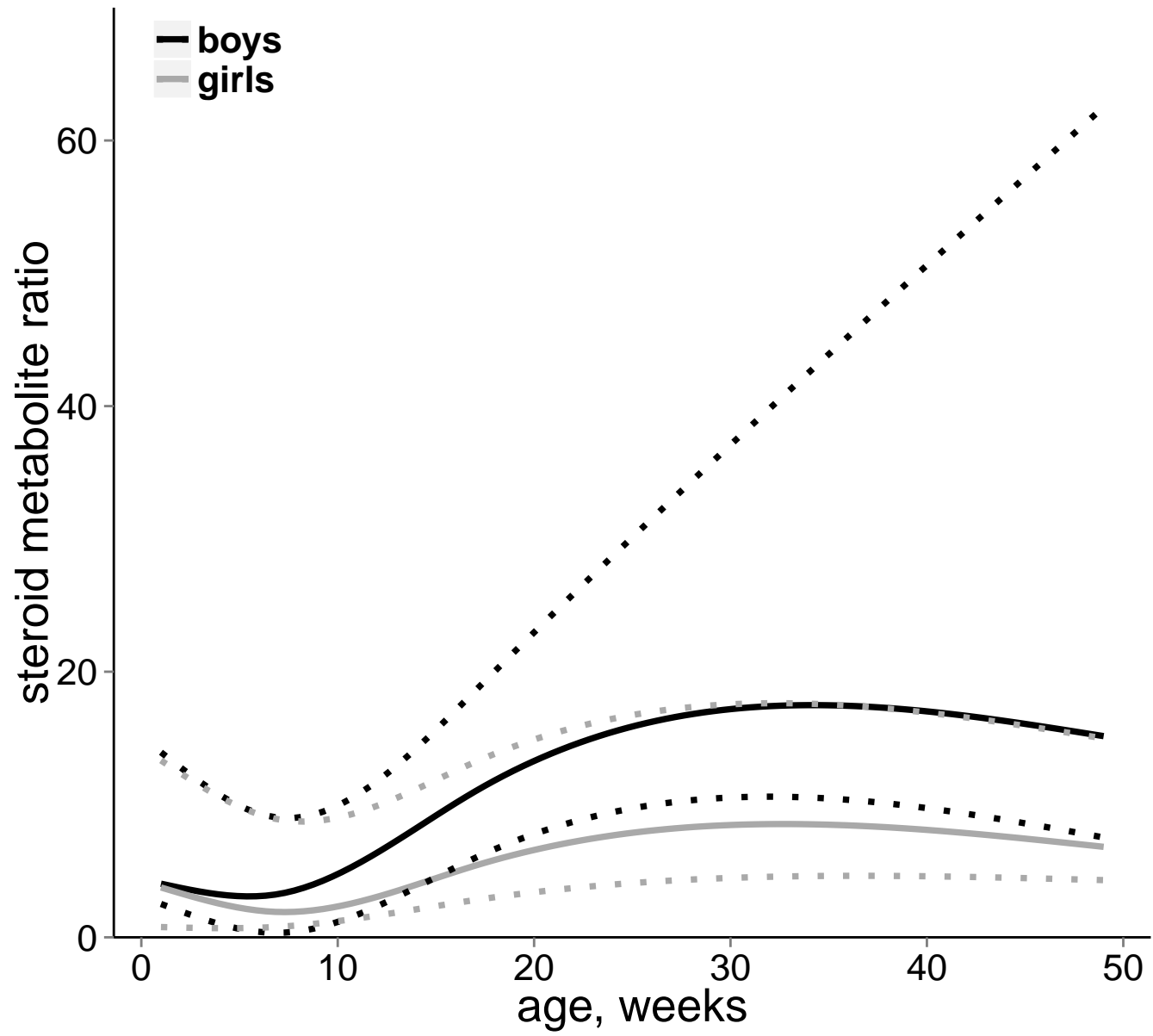
THA+THB+5 α THB/(THE+6OH-THE) [24]



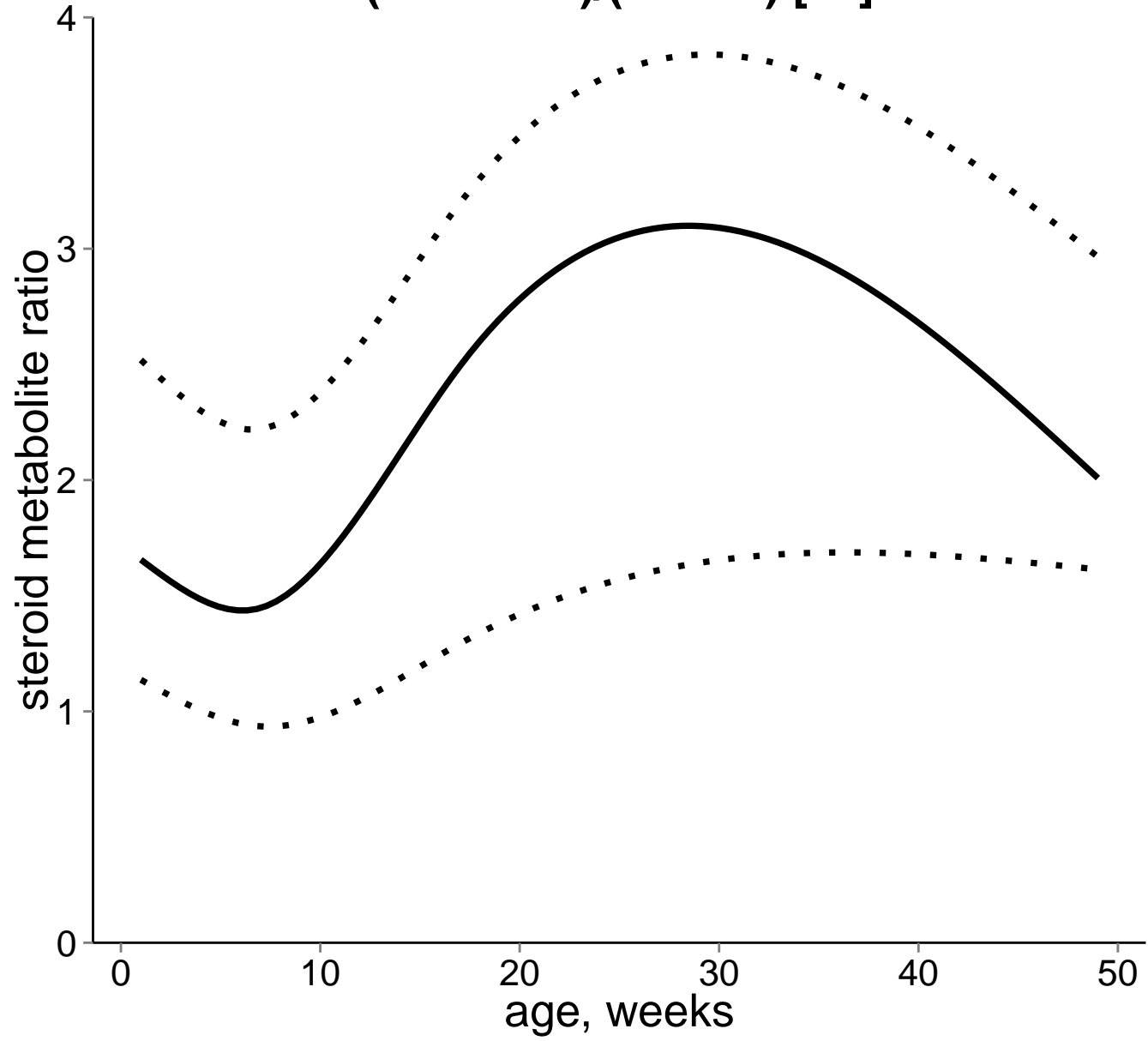
**17α -hydroxylase: THA+THB+
 5α THB/(THE+6OH-THE+6OH- β -CI) [25]**



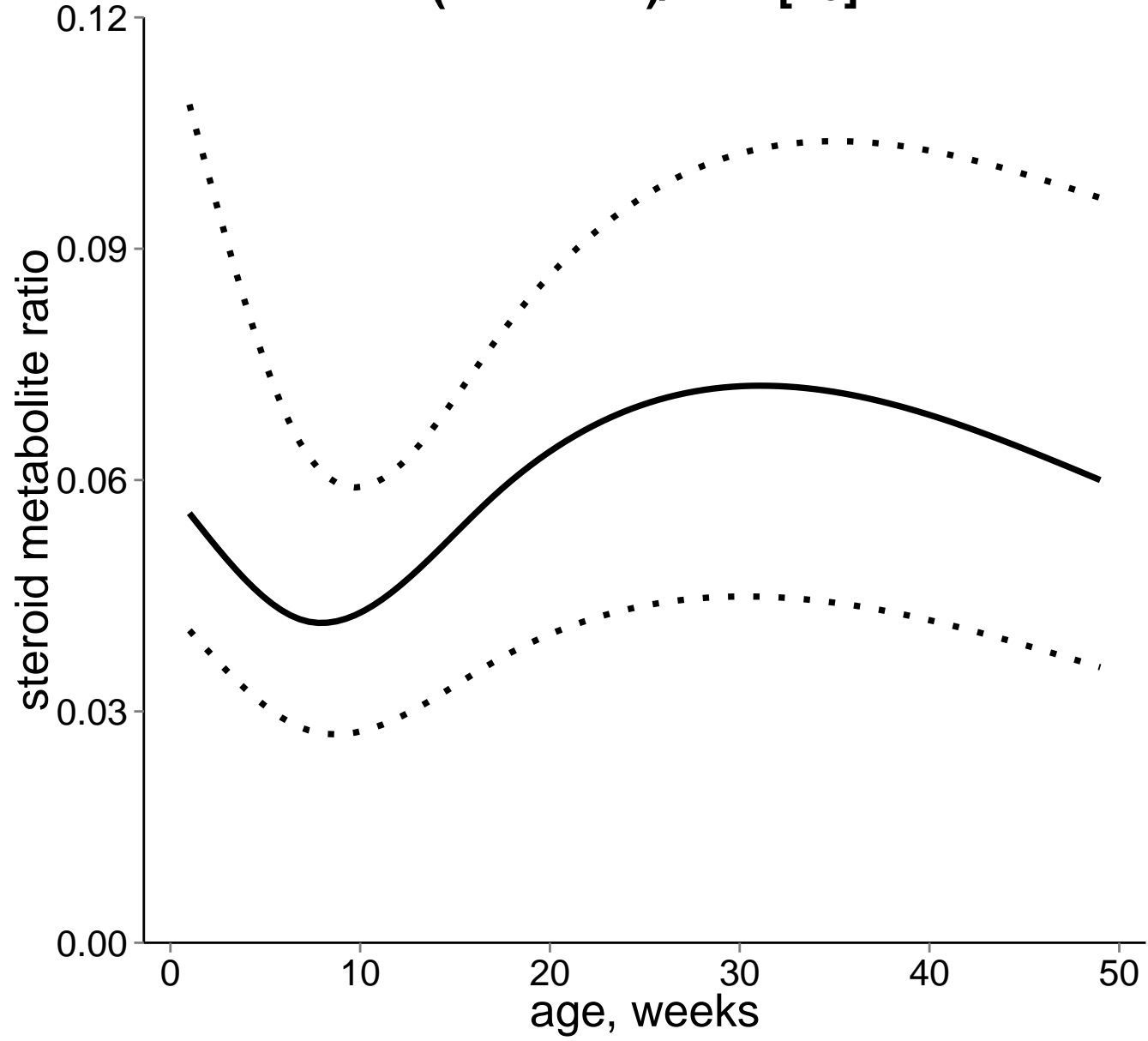
17 α -hydroxylase THA+THB+5 α THB/(AT+ET) [26]



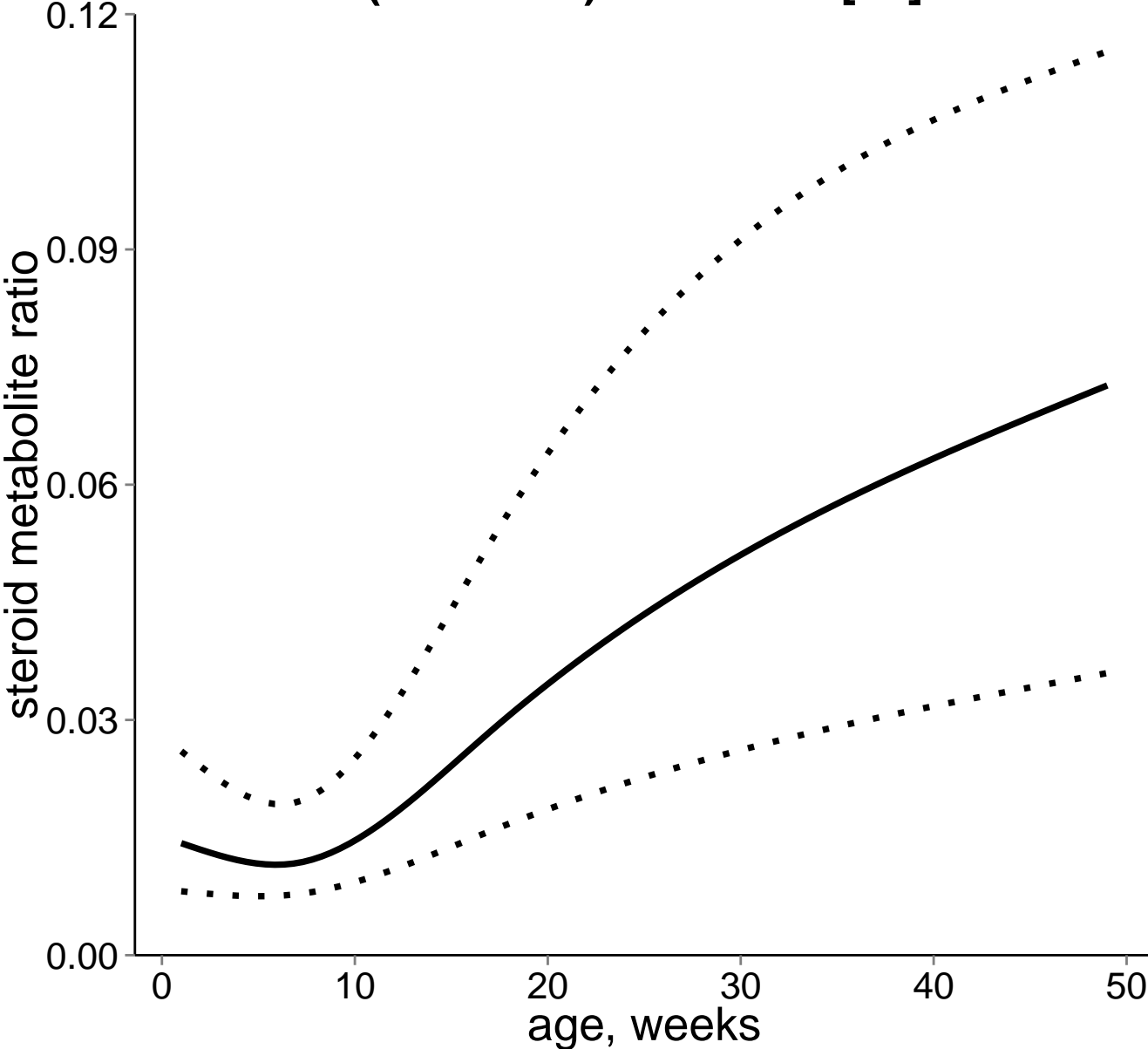
P450 oxidoreductase (17HP+PT)/(AT+ET) [27]



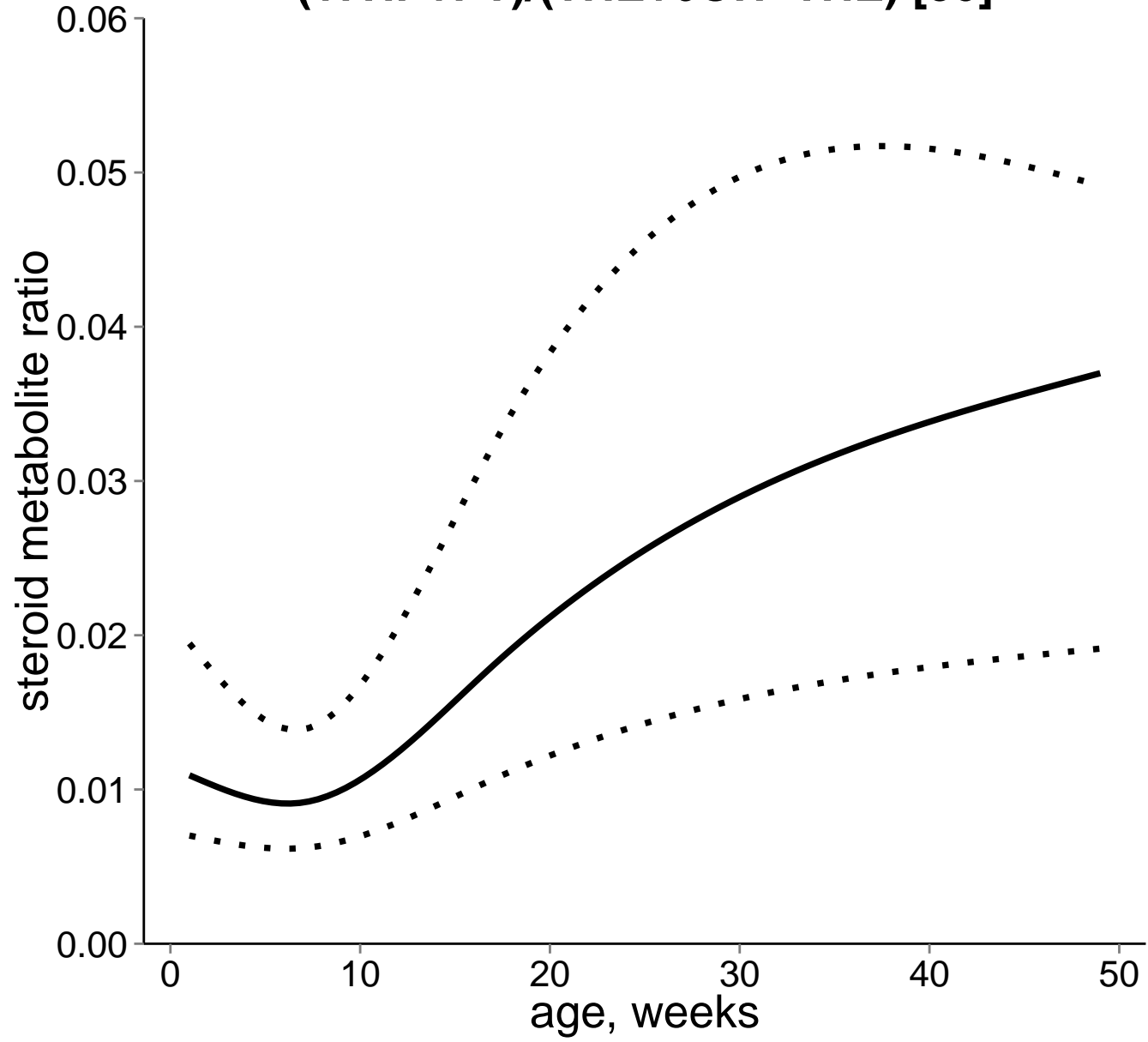
P450 oxidoreductase (17HP+PT)/THE [28]



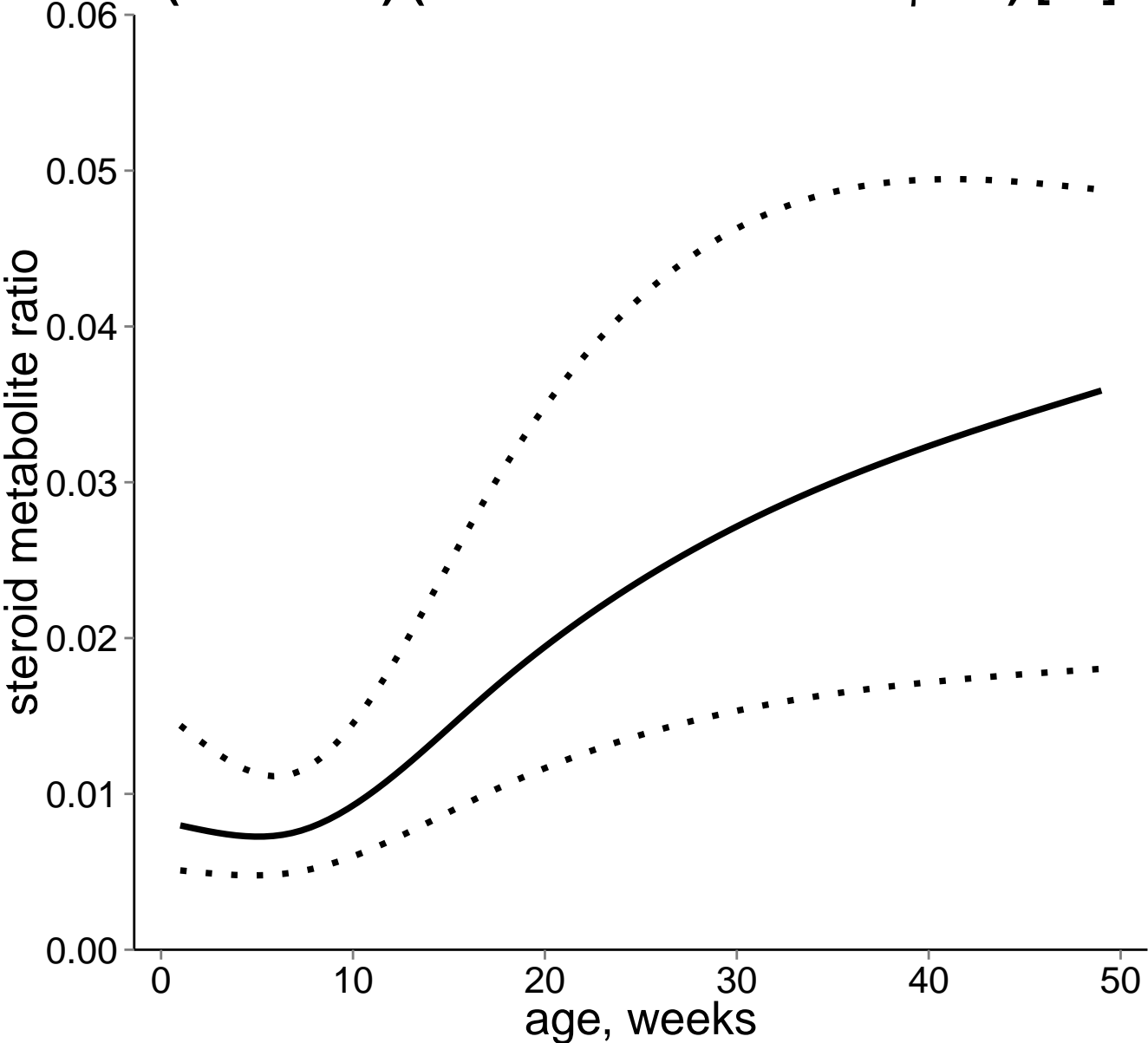
P450 oxidoreductase (17HP+PT)/6OH-THE [29]



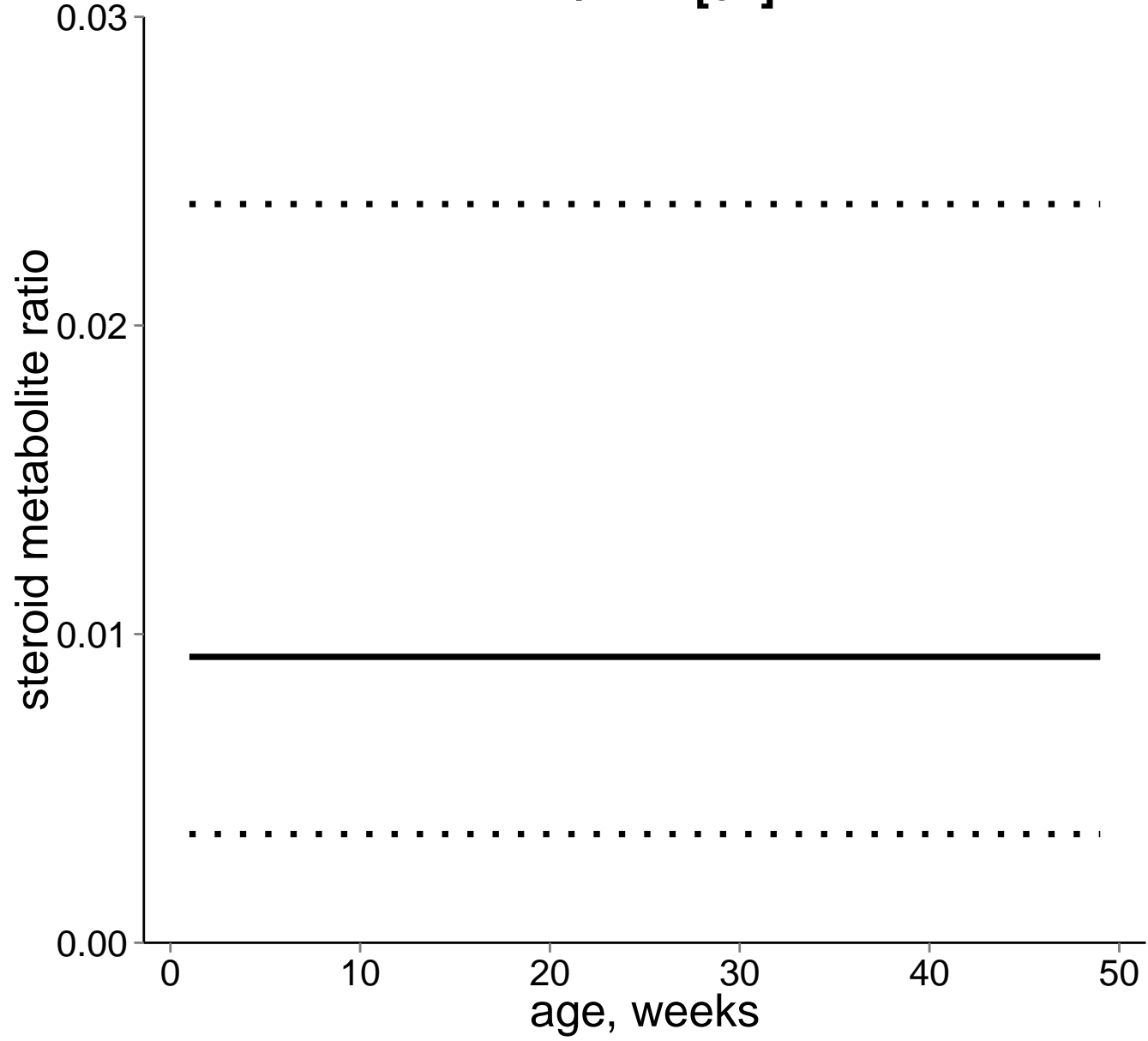
P450 oxidoreductase
(17HP+PT)/(THE+6OH-THE) [30]



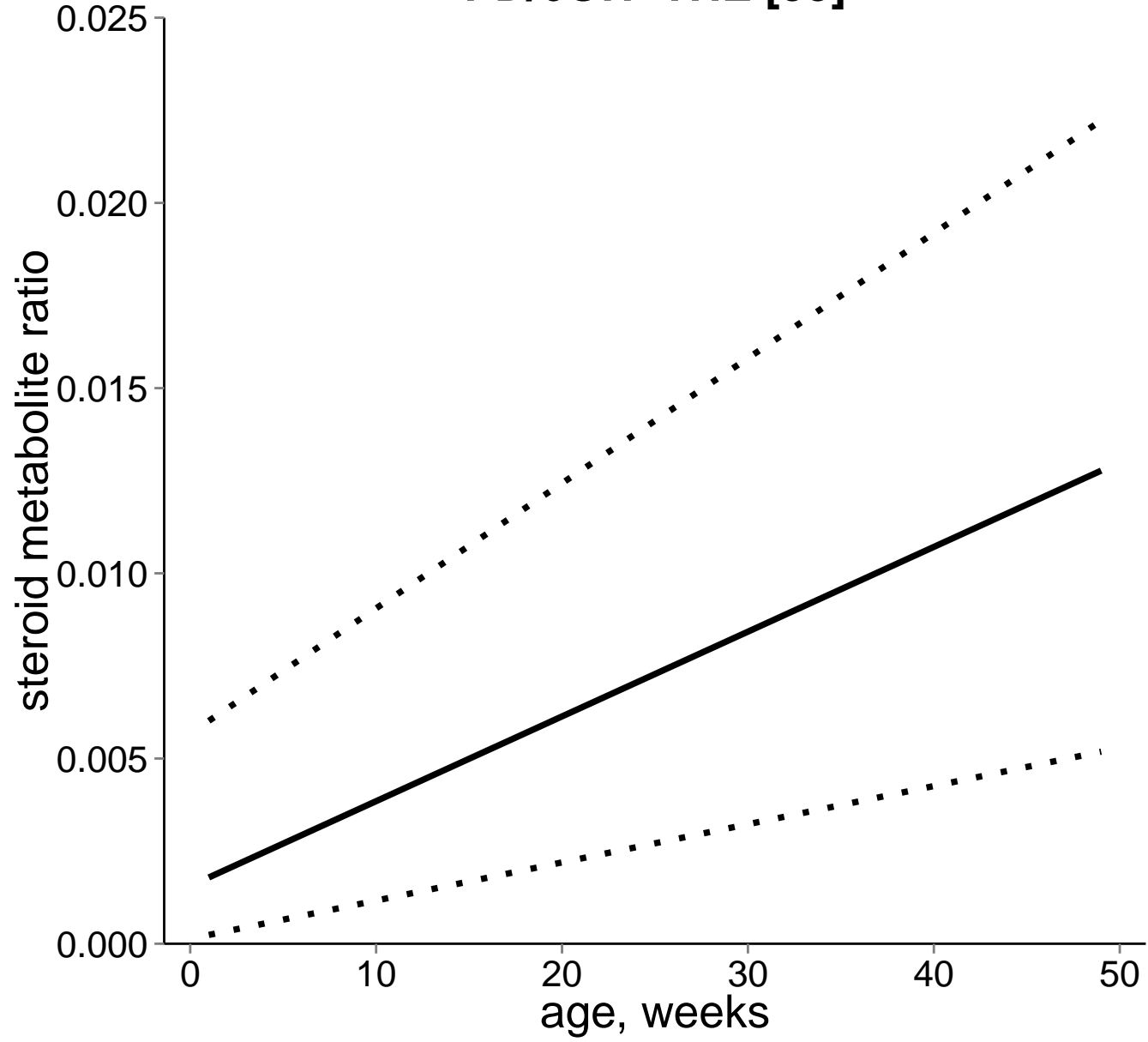
P450 oxidoreductase
(17HP+PT)/(THE+6OH-THE+6OH-β-CI) [31]



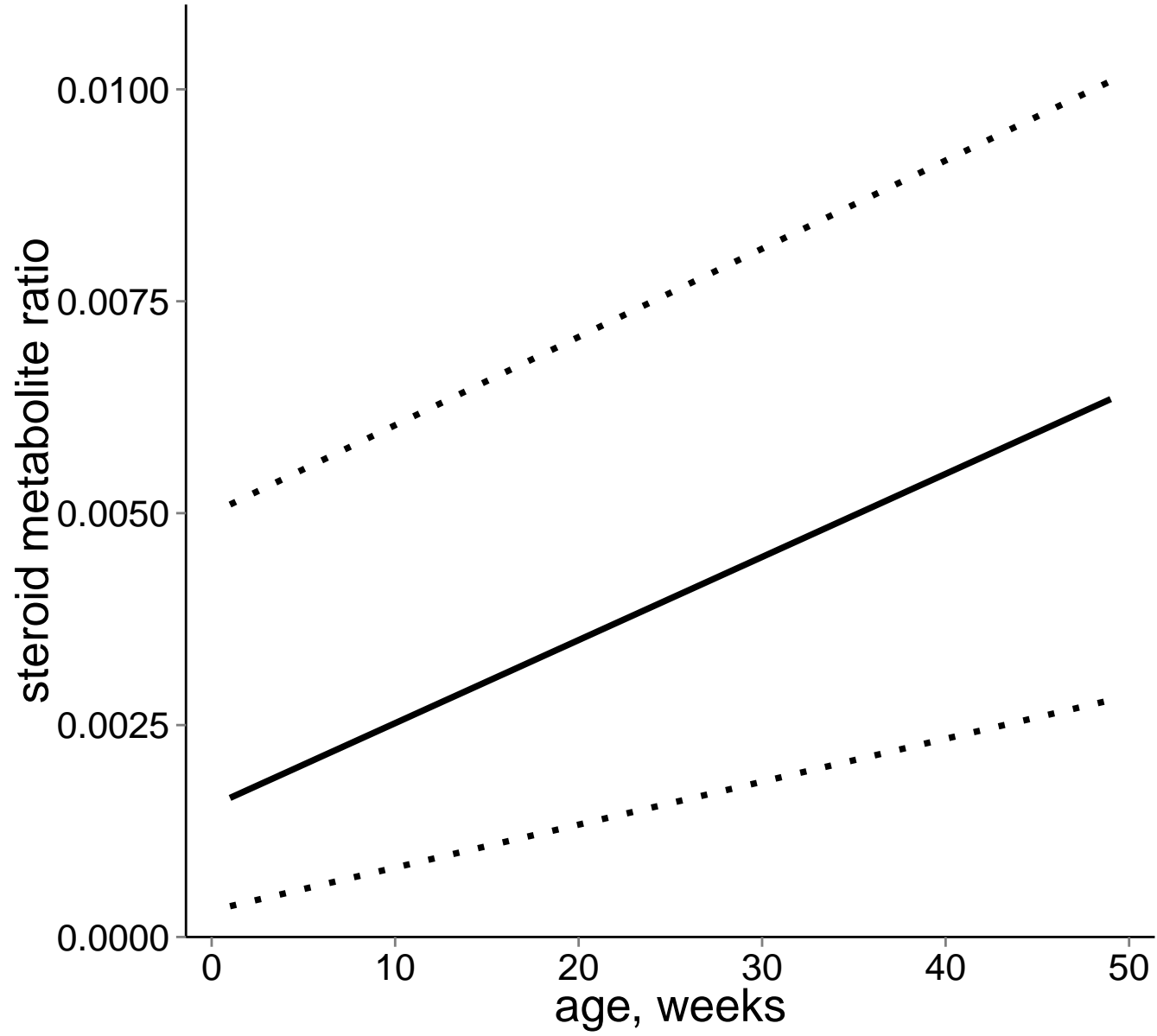
P450 oxidoreductase PD/THE [32]



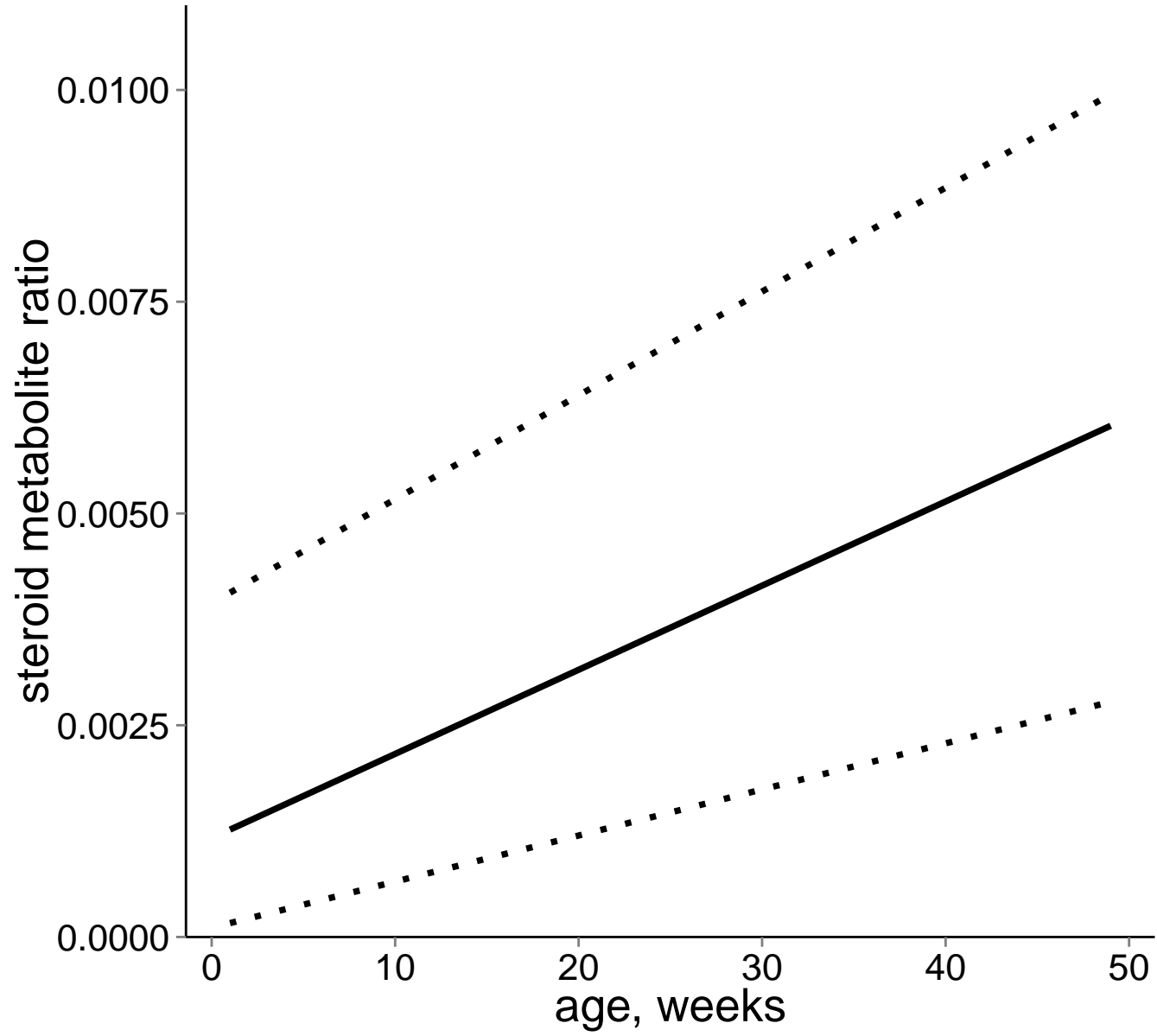
P450 oxidoreductase PD/6OH-THE [33]



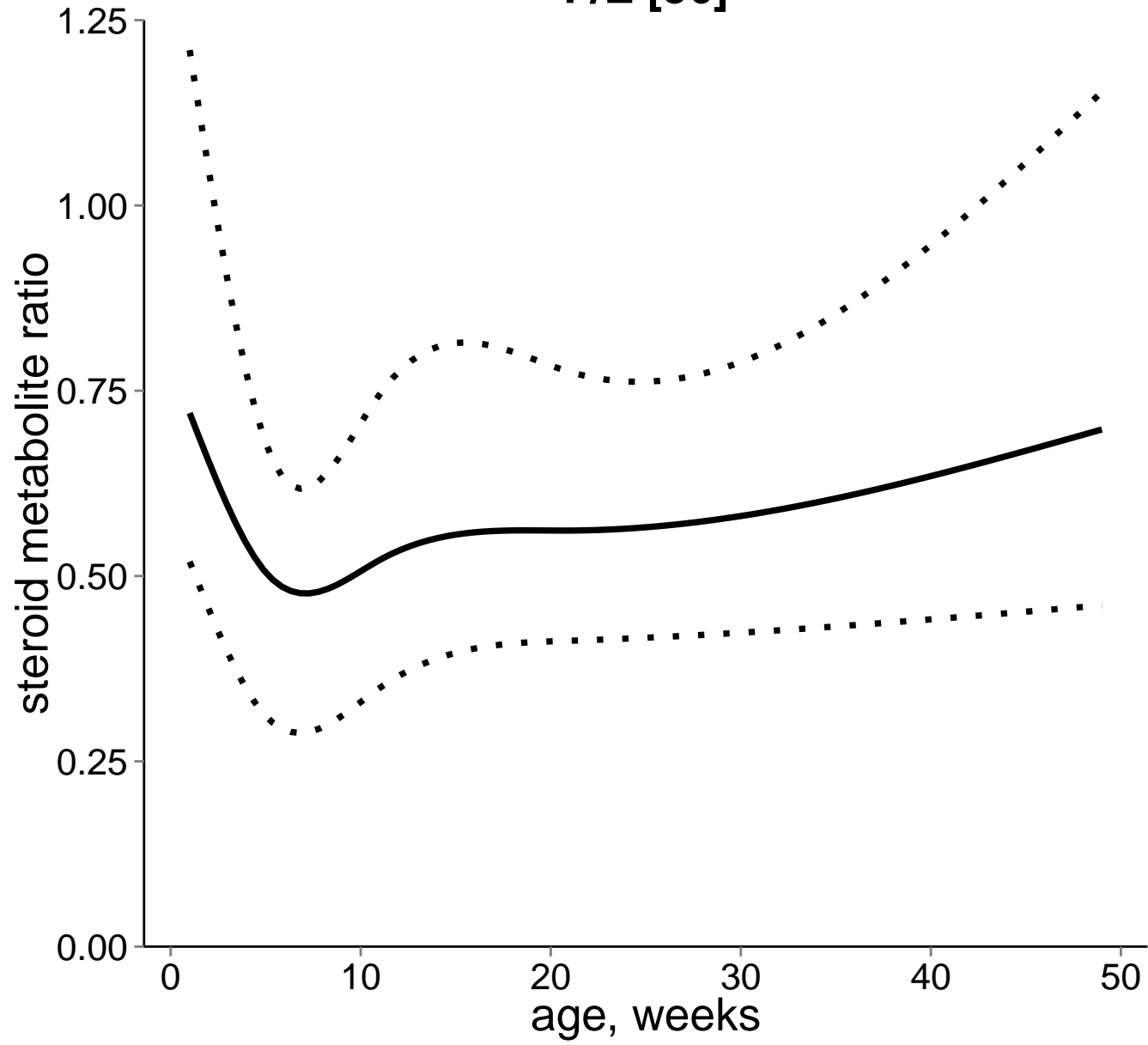
P450 oxidoreductase PD/(THE+6OH-THE) [34]



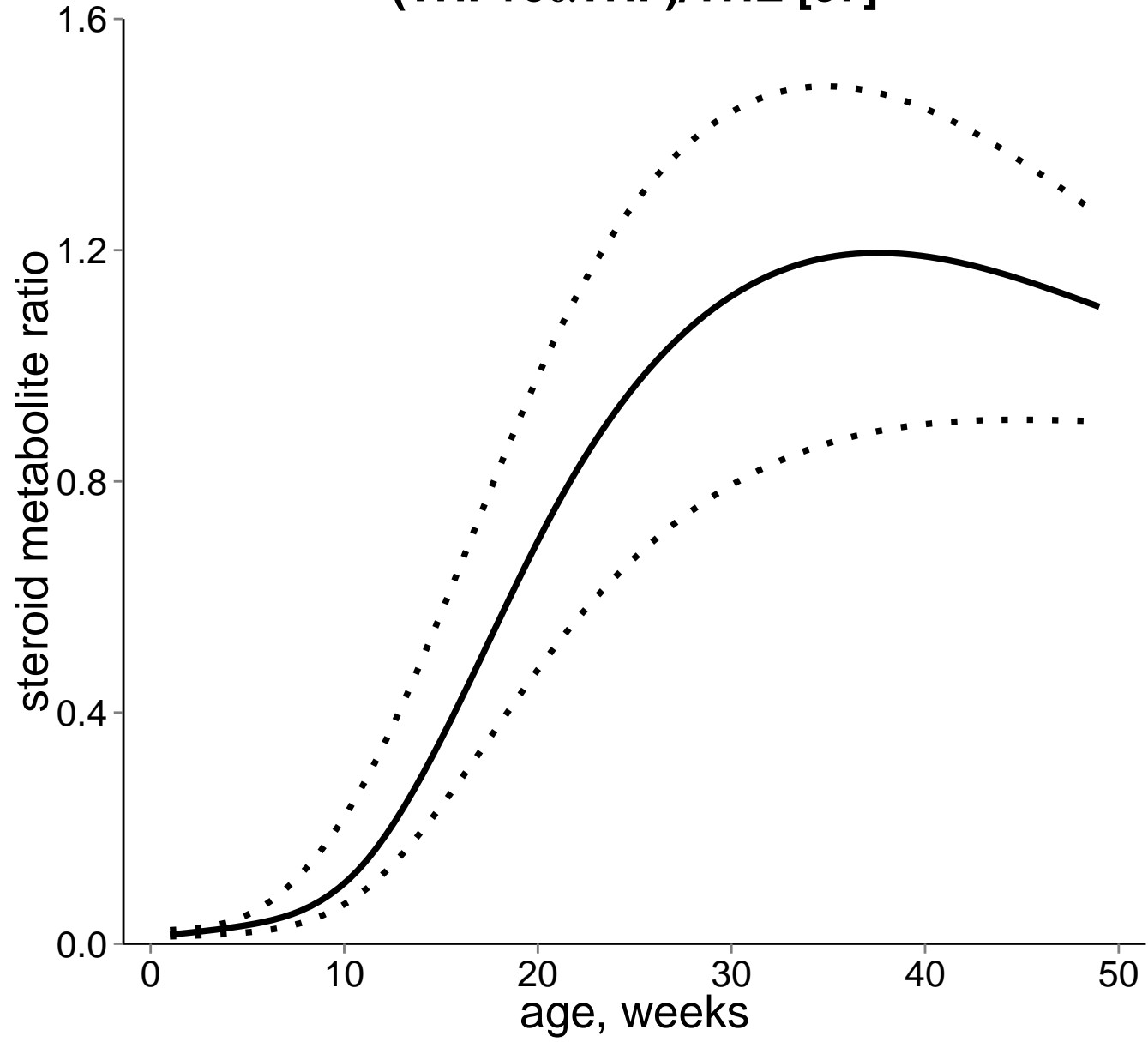
P450 oxidoreductase
PD/(THE+6OH-THE+6OH-β-CI) [35]



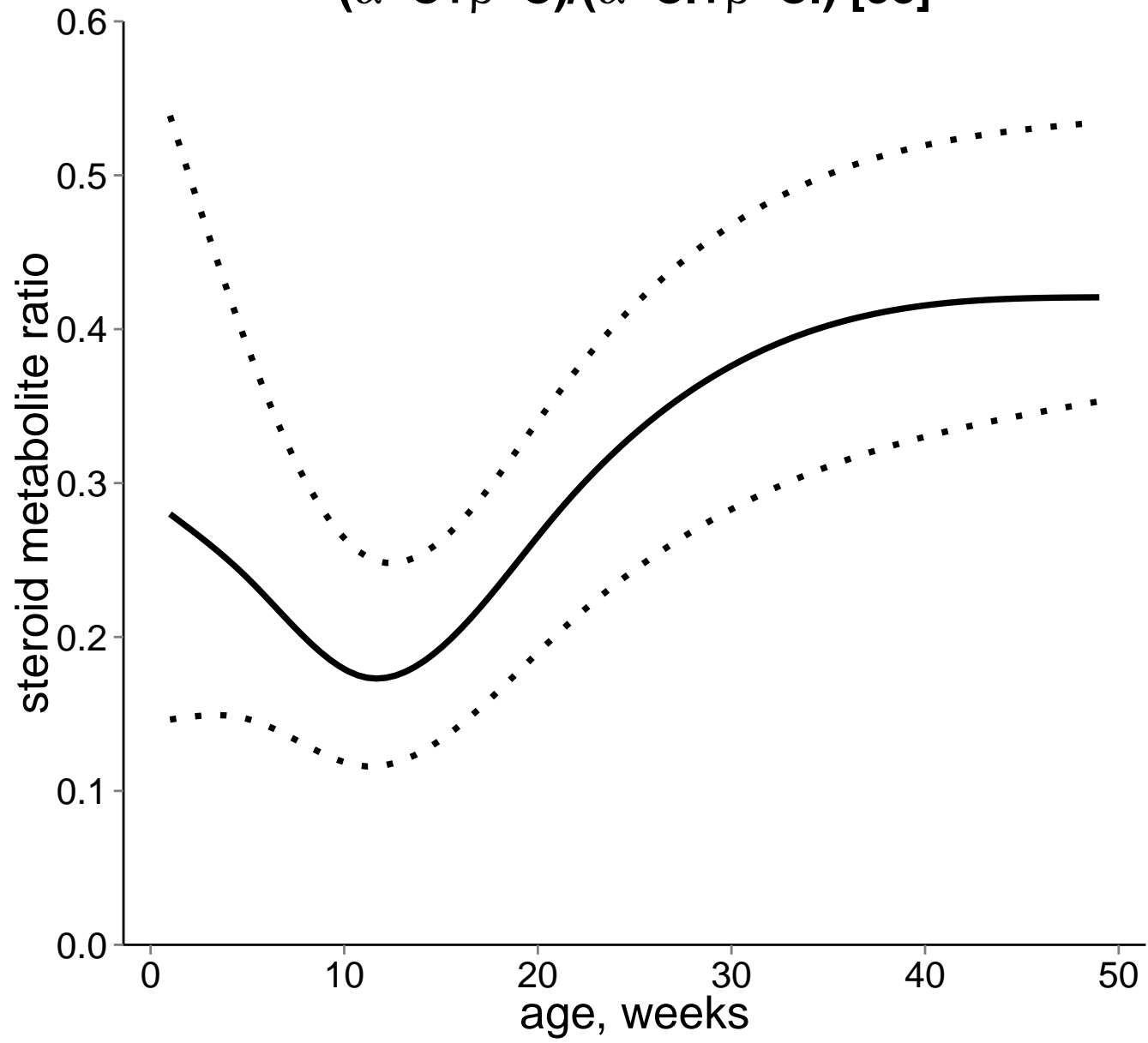
11 β -HSD type 2 F/E [36]



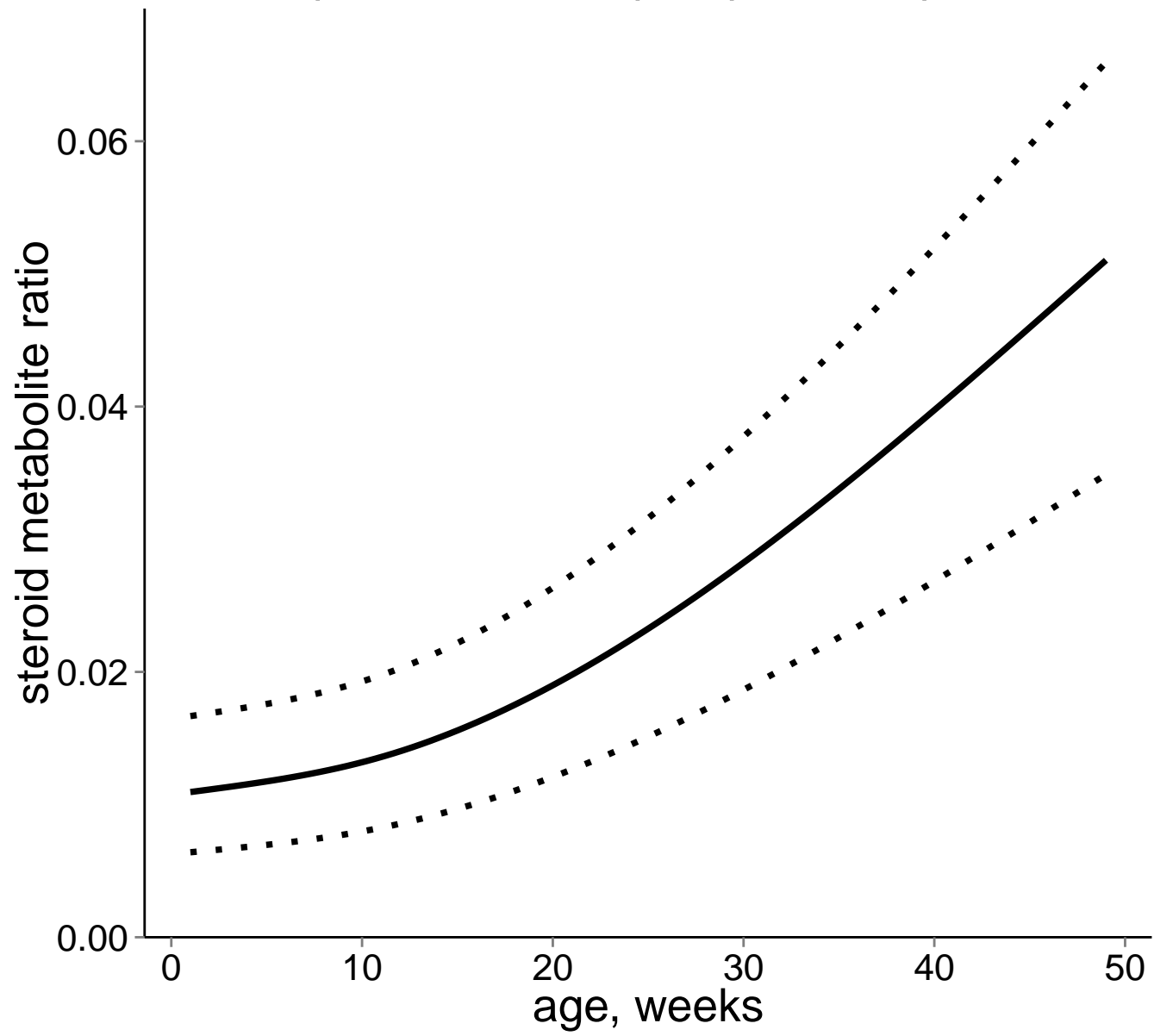
**11 β -HSD type 2
(THF+5 α THF)/THE [37]**



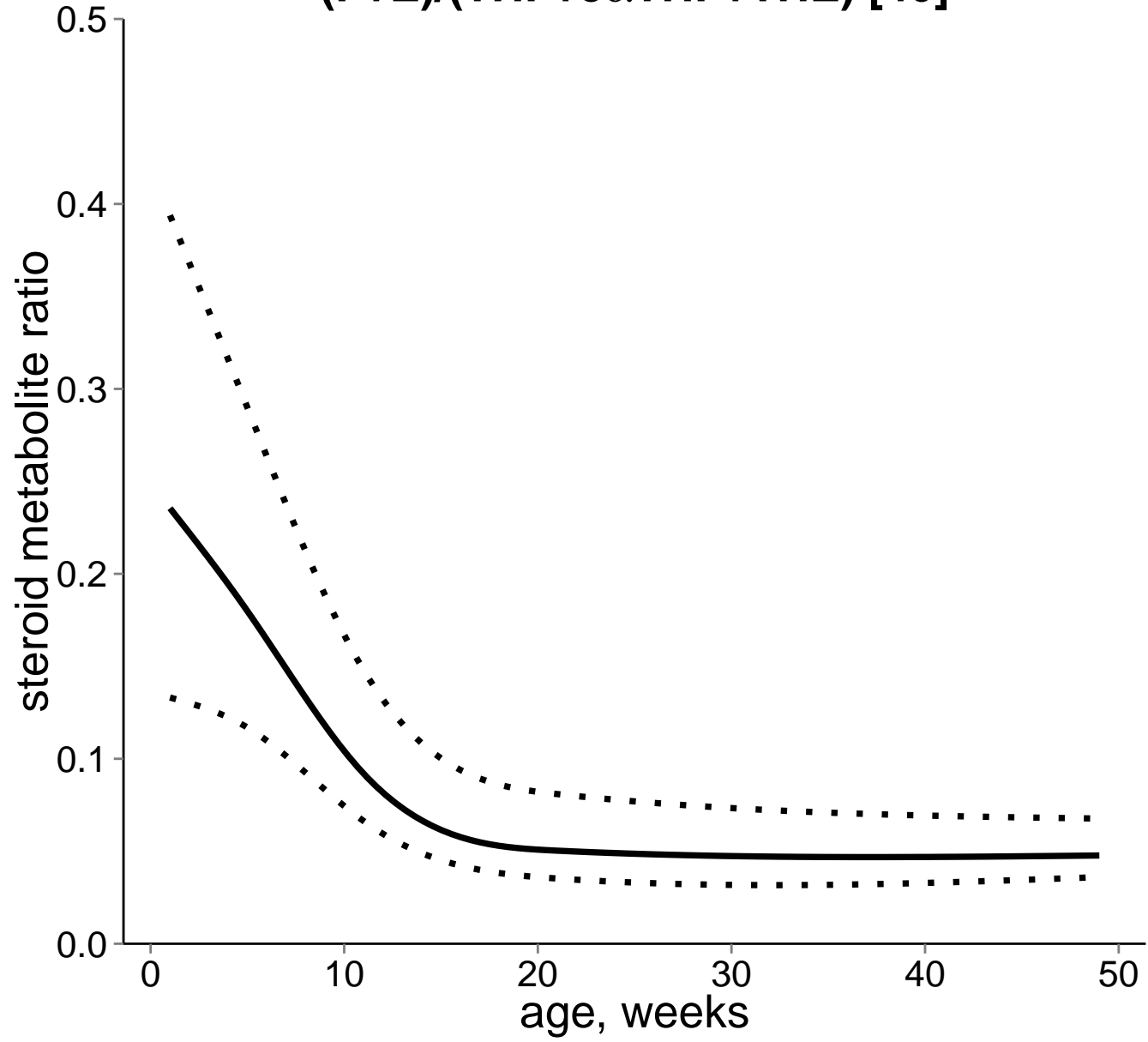
11 β -HSD type 2
 $(\alpha\text{-C}+\beta\text{-C})/(\alpha\text{-CI}+\beta\text{-CI})$ [38]



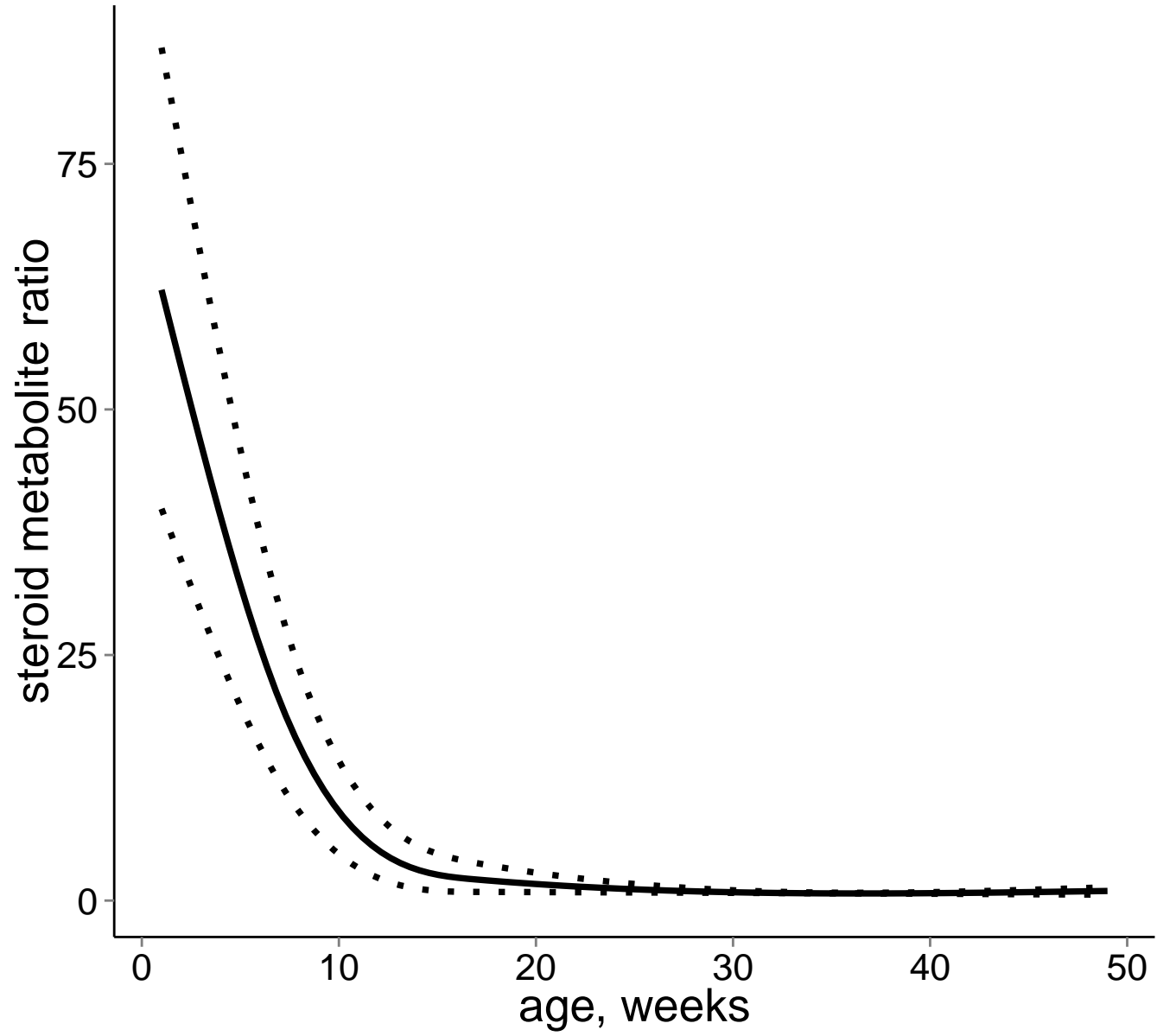
**11 β -HSD type 2: (α C+ β C)/
(α CI+ β CI+6OH α CI+1 β OH β CI+6OH β CI) [39]**



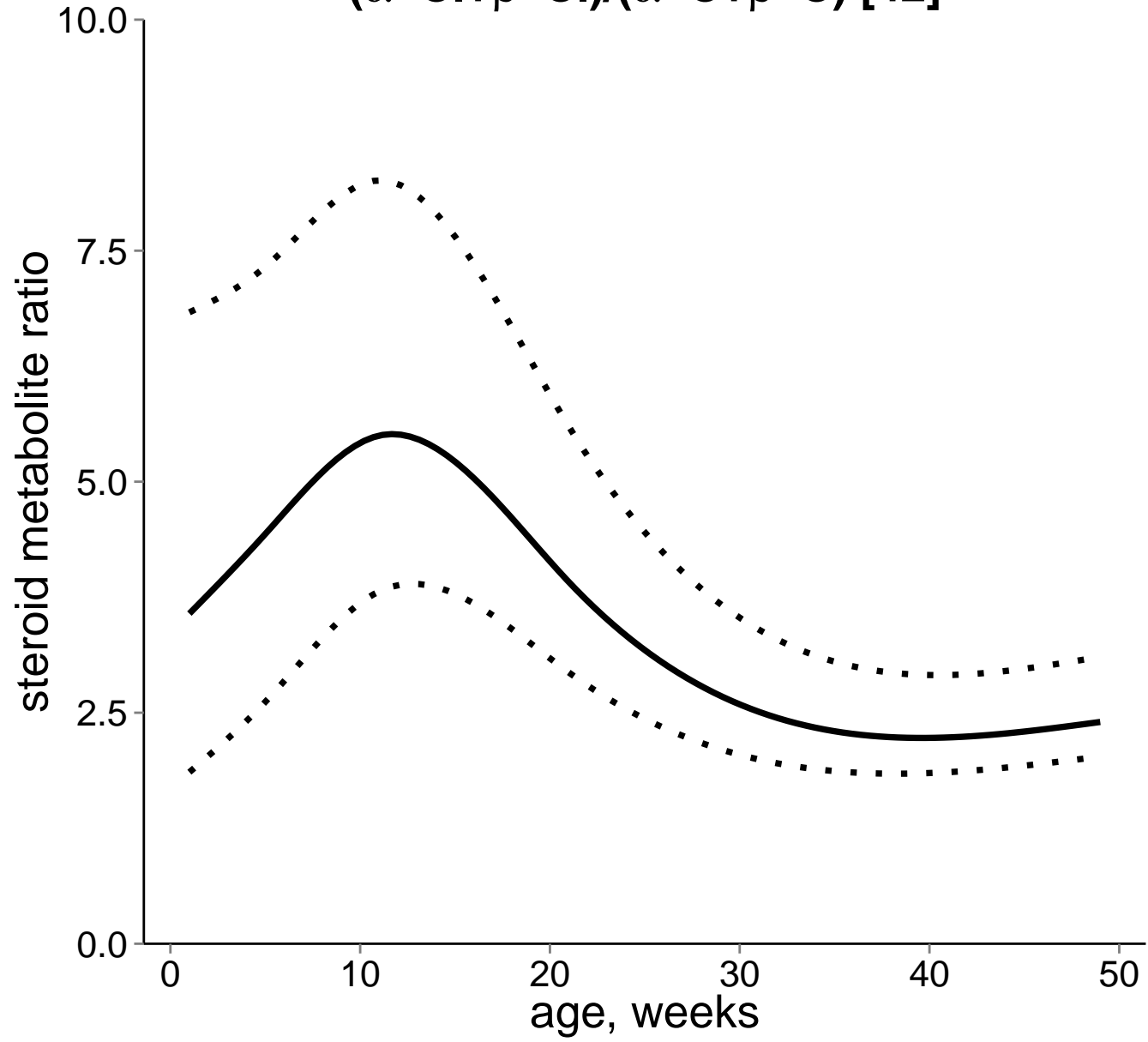
11 β -HSD type 2 (F+E)/(THF+5 α THF+THE) [40]



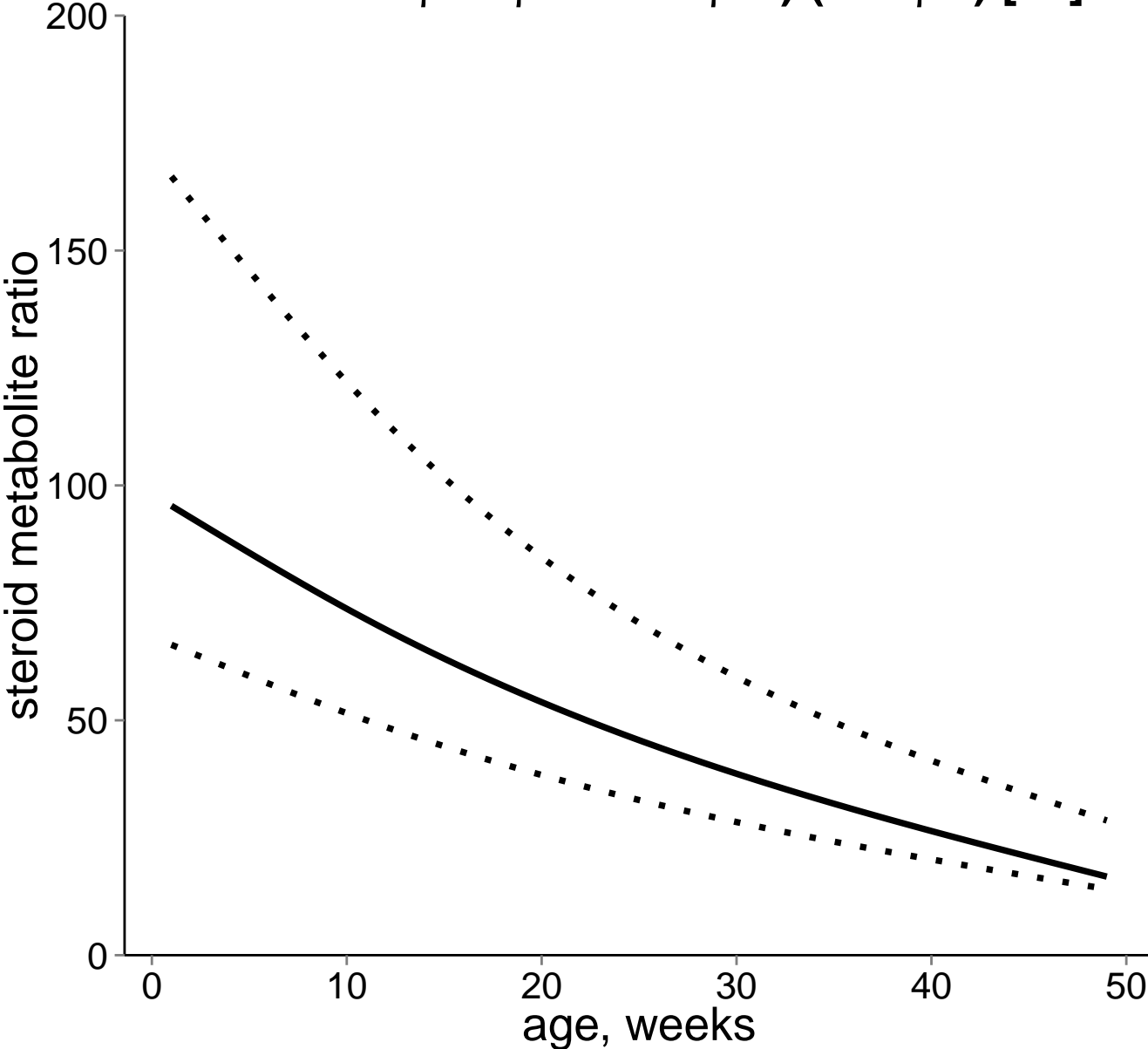
**11 β -HSD type 1
THE/(THF+5 α THF) [41]**



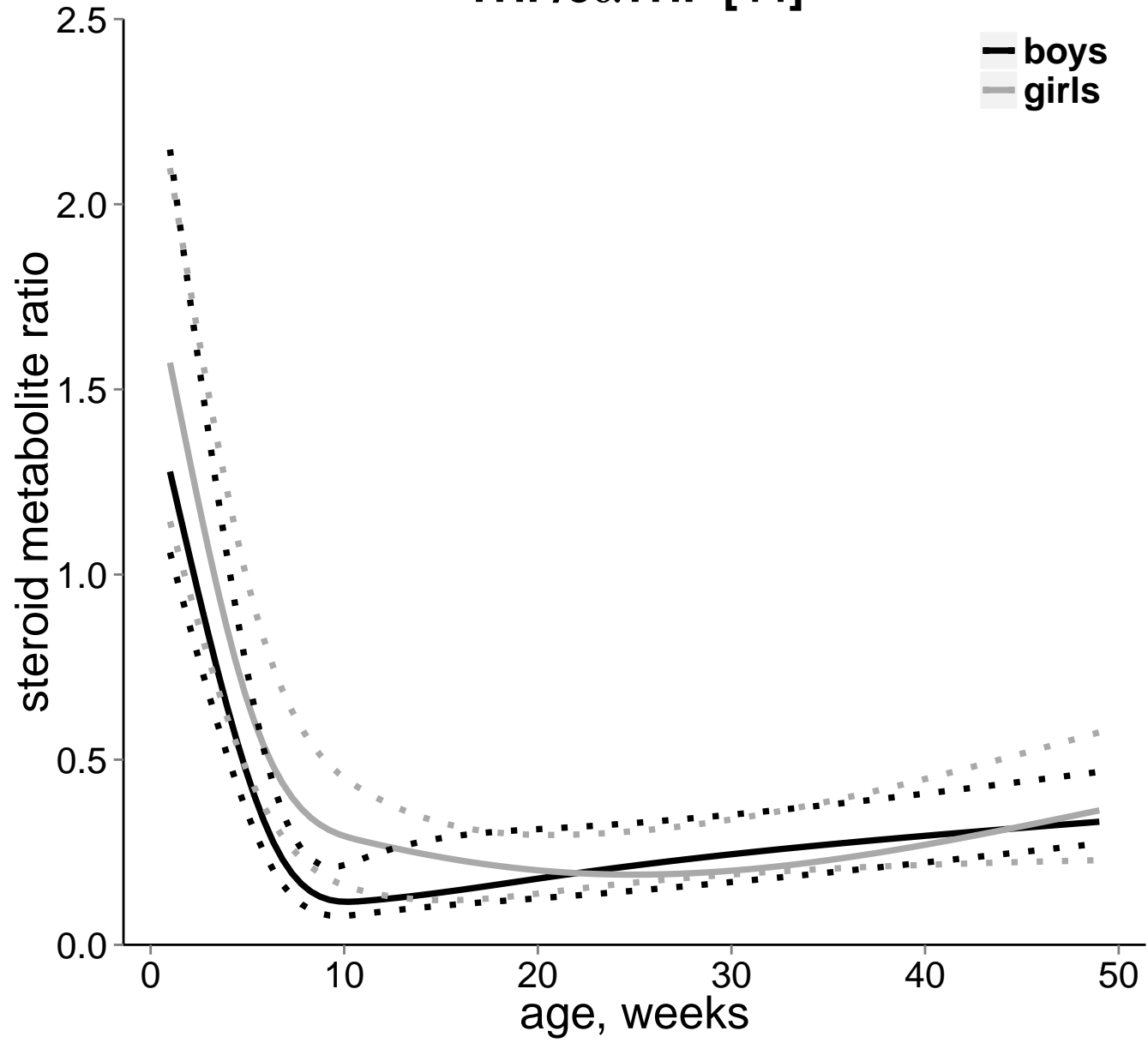
11 β -HSD type 1
 $(\alpha\text{-Cl}+\beta\text{-Cl})/(\alpha\text{-C}+\beta\text{-C})$ [42]



**11 β -HSD type 1: (α Cl+ β Cl+
6OH α Cl+1 β OH β Cl+6OH β Cl)/(α C+ β C) [43]**



5 α -reductase THF/5 α THF [44]



5 α -reductase THB/5 α THB [45]

