

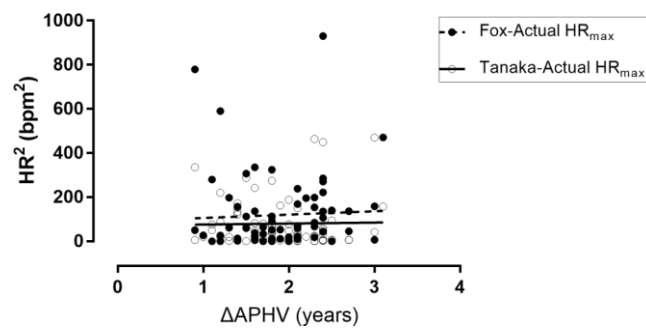
Supplementary material

Table S1. Comparison (paired-samples *t*-test) of squared differences (predicted-actual HR_{max}) by maturation level.

Variable	Total (<i>n</i> = 71)	Less Matured (<i>n</i> = 37)	More Matured (<i>n</i> = 34)
Fox - Actual HR _{max} (bpm ²)	119.6 ± 172.9 *	107.1 ± 171.7 ^a	133.2 ± 175.7 ^b
Tanaka - Actual HR _{max} (bpm ²)	80.2 ± 110.6	81.5 ± 89.6	78.7 ± 131.1

*difference between the two variables at *p* = 0.043. ^a *p* = 0.340 (comparison between the two variables).

^b *p* = 0.060 (comparison between the two variables).



Fox-Actual HR_{max}: $Y = 15.14 \times X + 90.81$ $R = 0.04$, $p = 0.7116$

Tanaka-Actual HR_{max}: $Y = 4.435 \times X + 71.77$ $R = 0.02$, $p = 0.8657$

Figure S1. Single scatter plot with maturation on the horizontal x-axis, and the (squared) differences (Delta HR) on the y-axis.

Mixed models analysis

Syntax

```
mixed HRmax with Assessment_method by Maturation_group
/fixed Assessment_method Maturation_group Assessment_method * Maturation_group
/print = solution
/method = mL
/random intercept | subject(id)
```

Table S2. Estimates of Fixed Effects ^a.

Parameter	Estimate	Std. Error	df	t	Significance	95% Confidence Interval	
						Lower Bound	Upper Bound
Intercept	202.29	162	213	124.506	<0.001	199.09	205.49
Assessment_method	-0.84	0.75	213	-1.122	0.263	-2.33	0.64
[Maturation_group = 1.00]	3.03	2.25	213	1.346	0.180	-1.41	7.47
[Maturation_group = 2.00]	0 ^b	0	.	.	.	.	.
[Maturation_group = 1.00] *							
Assessment_method	-0.85	1.04	213	-0.812	0.418	-2.90	1.21
[Maturation_group = 2.00] *							
Assessment_method	0 ^b	0	.	.	.	.	.

^a Dependent Variable: HR_{max}. ^b This parameter is set to zero because it is redundant.