**Supplemental Digital Content 6. Hazard ratio for fatigue fracture according to the *COL1A1* rs1107946 genotypes in female athletes**

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| --- | --- | --- |
|  | rs1107946 genotype | *P*-value |
|  | AA (n = 25) | CC+AC (n = 104) |
| Training-exposure hours | 1459 ± 699 | 1211 ± 641 |  |
| Player-hours of training-exposure | 36,481 | 125,906 |  |
| Incidence of fatigue fracture, n (%) | 2 (8.0) | 8 (7.7) | 1.000a |
| Incidence per 1,000 player-hours | 0.05 | 0.06 |  |
| Unadjusted hazard ratio (95% CI) | 1.00 (Reference) | 1.08 (0.23–5.08) | 0.924b |
| Multivariable adjusted hazard ratio\* (95% CI) | 1.00 (Reference) | 0.92 (0.20–4.34) | 0.916b |

\*Adjusted by main sport (track & field or other). CI, confidence interval. a *P*-value by the Fisher’s exact test, b *P*-value by the Cox proportional hazards model.