Supplementary Table 2. Bland Altman Analysis from Eight Wearable Devices for Heart Rate During Resistance Exercise

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| **Exercise** | **Statistic** | **Apple Watch Series 2**  | **Bose Sound SportPulse**  | **Fitbit****Blaze**  | **Fitbit****Charge 2** | **Garmin Vivosmart HR** | **Polar****A360** | **Polar H7** | **TomTom Touch**  |
| **Rest** | Mean diff (SD) 95% CI | 0.02 (1.71)-3.33-3.37 | 5.40 (11.15)-16.45-27.25) | -1.56(6.04)-13.41-10.29 | -1.66(9.57)-20.42-17.10 | 1.62(9.83)-17.65-20.89 | 5.06(13.53)-21.45-31.57 | 10.96(13.77)-16.03-37.95 | -1.14(7.49)-15.81-13.53 |
| **LC 1** | Mean diff (SD) 95% CI | -3.52(13.29)-29.58-22.54 | 2.72(11.48)-19.78-25.22 | -8.38(23.31)-54.07-37.31 | -3.44(15.05)-32.94-26.06 | -13.54(15.94)-44.78-17.70 | -2.40-(16.24)-34.22-29.42 | 2.42(14.38-25.76-30.60 | -15.28(17.89)-50.35-19.79 |
| **CP 1** | Mean diff (SD) 95% CI | -2.60(15.67)-33.32-28.12 | 4.32(13.57)-22.28-30.92 | -1.74(23.59)-47.97-44.49 | -0.36(14.07)-27.94-27.22 | -4.56(19.43)-42.64-33.52 | 7.64(17.90)-27.43-42.71 | 11.94(12.22)-12.02-35.90 | -15.56(27.96)-70.35-39.23 |
| **LE 1** | Mean diff (SD) 95% CI | -3.52(19.15)-41.05-34.01 | 2.82(12.25)-21.18-26.82 | -7.08(13.95)-34.42-20.26 | -6.66(14.28)-34.65-21.33 | -12.02(20.75)-52.69-28.65 | 0.08(17.27)-33.76-33.92 | 4.66(12.24)-19.33-28.65 | -22.02(30.93)-82.64-38.60 |
| **LPD 1** | Mean diff (SD) 95% CI | -4.44(17.10)-37.95-29.07 | 2.20(11.54)-20.43-24.83 | -10.20(17.16)-43.84-23.44 | -7.88(16.76)-40.72-24.96 | -13.62(19.11)-51.107-23.83 | -5.18(16.97)-38.43-28.07 | -0.56(9.49)-19.17-18.05 | -26.80(33.65)-92.76-39.16 |
| **LC 2** | Mean diff (SD) 95% CI | -8.40(23.50)-54.46-37.66 | -2.84(12.36)-27.07-21.39 | -10.76(18.06)-46.15-24.63 | -9.40(17.16)-43.03-24.23 | -14.74(16.00)-46.09-16.61 | -6.68(17.28)-40.56-27.20 | 0.50(9.84)-18.79-19.79 | -26.84(31.33)-88.25-34.57 |
| **CP 2** | Mean diff (SD) 95% CI | -7.14(22.51)-51.26-36.98 | 1.02(12.39)-23.26-25.30 | -8.52(17.08)-41.99-24.95 | -7.88(16.90)-41.00-25.24 | -10.32(19.15)-47.66-27.22 | 0.18(17.77)-34.65-35.01 | 7.08(9.70)-11.92-26.08 | -22.78(33.01-87.49-41.93 |

Supplementary Table 2 Continued

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| **LE 2** | Mean diff (SD) 95% CI | -8.32(20.92)-49.33-32.69 | -0.28(7.27)-14.54-13.98 | -14.28(19.19)-51.89-23.33 | -13.76(18.91)-50.82-23.30 | -20.90(18.79)-57.73-15.93 | -8.86(18.51)-44.93-27.61 | -2.64(8.88)-20.04-14.76 | -33.22(32.90)-97.70-31.26 |
| **LPD 2** | Mean diff (SD) 95% CI | -5.38(19.51)-43.62-32.86 | -1.90(11.17)-23.78(19.98) | -14.42(21.98)-57.49-28.65 | -14.16(22.44)-58.14-29.82 | -18.08(18.47)-54.28-18.12 | -8.44(17.07)-41.90-25.02 | -3.76(8.95)-21.31-13.79 | -36.16(37.53)-109.71-37.39 |
| **LC 3** | Mean diff (SD) 95% CI | -12.80(28.60)-68.85-43.25 | -2.38(8.81)-19.64-14.88 | -15.42(22.77)-60.05-29.21 | -16.76(23.95)-63.70-30.18 | -19.14(18.12)-54.66-16.38 | -7.28(14.22)-35.14-20.58 | -1.52(9.47)-20.09-17.05 | -35.54(34.29)-102.75-31.67 |
| **CP 3** | Mean diff (SD) 95% CI | -7.36(22.62)-51.69-36.97 | 4.50(14.40)-23.73-32.73 | -11.46(19.50)-49.68-26.76 | -12.66(24.16)-60.01-34.69 | -12.58(13.77)-39.57-14.41 | -2.36(14.52)-30.82-26.10 | 3.32(10.58)-17.42-24.06 | -28.68(30.98)-89.40-32.04 |
| **LE 3** | Mean diff (SD) 95% CI | -8.72(22.54)-52.90-35.46 | -1.10(8.32)-17.40-15.20 | -18.18(20.43)-58.23-21.87 | -17.62(19.89)-56.60-21.36 | -25.88(27.00)-78.80-27.04 | -9.44(12.74)-34.42-15.54 | -6.02(9.37)-24.39-12.35 | -36.82(34.29)-104.04-30.40 |
| **LPD 3** | Mean diff (SD) 95% CI | -4.58(14.79)-33.57-24.41 | -5.54(17.85)-40.52-29.44 | -15.50(22.65)-59.89-28.89 | -16.34(21.60)-58.67-25.99 | -28.82(24.64)-77.10-19.46 | -13.40(16.35)-45.45-18.65 | -7.26(11.57)-29.93-15.41 | -34.74(39.05)-111.29-41.81 |
| **AVG** | Mean diff (SD)95% CI | -5.90(18.61)-42.38-30.57 | 1.11(11.73)-22.31-21.11 | -9.82(13.58)-44.22-24.58 | -9.63(18.06)-42.27-23.57 | -13.76(17.21)-18.47-19.98 | -3.91(16.18)-35.63-27.80 | 1.37(10.03)-18.30-21.03 | -25.36(23.62)-82.18-26.79 |