Dynamic Medicine

Correction

Correction: The effects of aging and activity on muscle blood flow

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After publication of our paper [1], we discovered that our normalized blood velocity and compliance numbers were 60 times higher than they should have been. The revised Figure 1 and Figure 2, along with Table 1 are shown here with the correct values. Heart rate, blood pressure, and half time to recovery of blood flow and oxygen saturation from the original article are all correct. The statistical analysis and interpretation of the data remain unchanged. We apologize for the error.
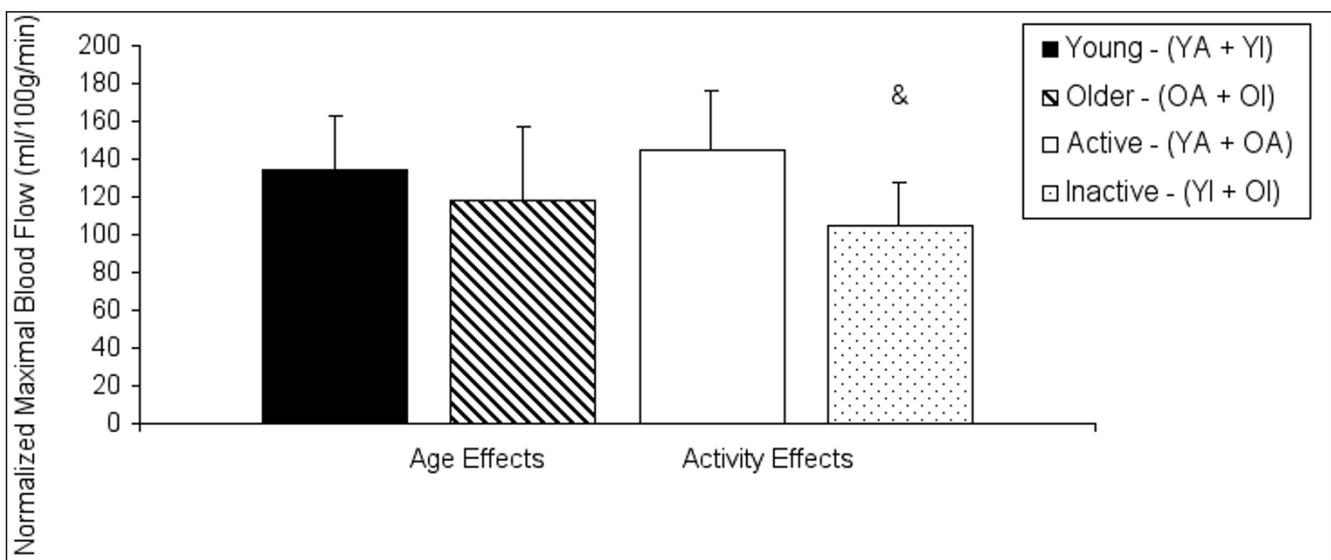
Figure 1
Normalized maximal blood flow for aging effects on left and activity effects on right (Means ± SD). Young is the sum of young active (YA) and young inactive (YI). Older is sum of older active (OA) and older inactive (OI). Active is sum of young active (YA) and older active (OA). Inactive is sum of young inactive (YI) and older inactive (OI). & Active and inactive groups are significantly different at p < 0.001.
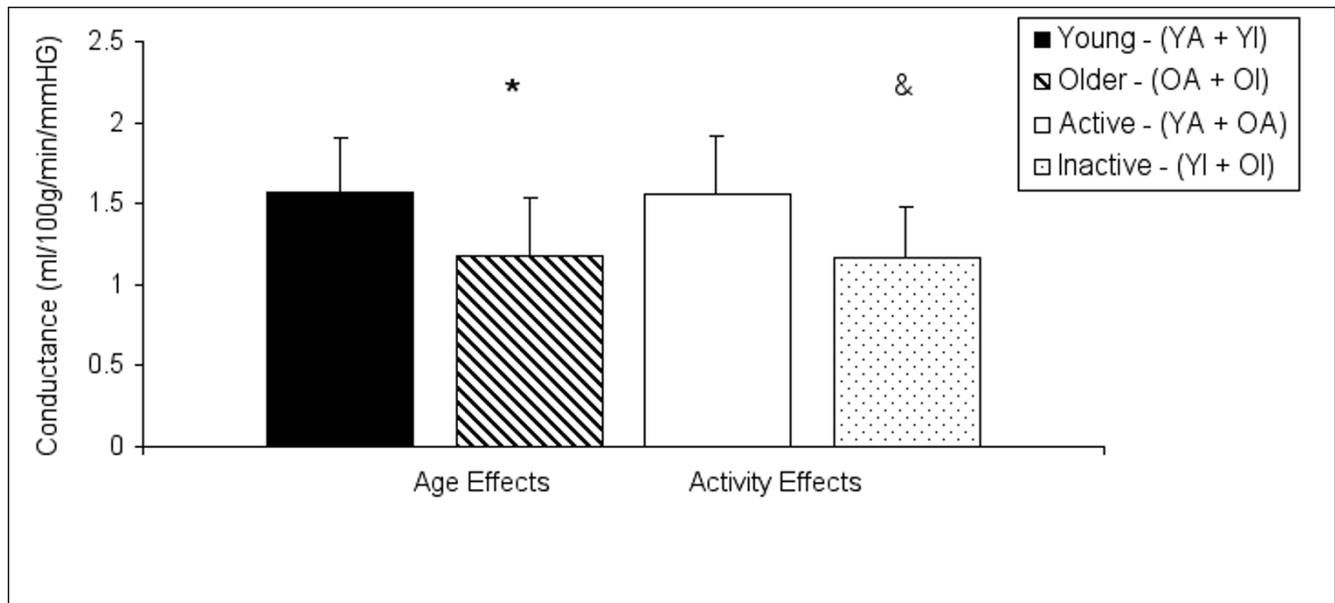
Figure 2
Conductance of normalized maximal blood flow for aging effects on left and activity effects on right (Means ± SD). Young is the sum of young active (YA) and young inactive (YI). Older is sum of older active (OA) and older inactive (OI). Active is sum of young active (YA) and older active (OA). Inactive is sum of young inactive (YI) and older inactive (OI). * Young and older groups are significantly different at p = 0.003. & Active and inactive groups are significantly different at p = 0.002.

Table 1: Flow data and half time to recovery data for groups – Means (SD)

	Young Active	Young Inactive	Older Active	Older Inactive
Normalized Resting Blood Flow (ml/100 g/min)	14.2 (8.3)	9.0 (6.2)	8.8 (2.7)	14.7 (8.3)
Resting Conductance (ml/100 g/min/mmHg)	0.16 (0.08)	0.12 (0.08)	0.091 (0.03)	0.14 (0.078)
Normalized Maximal Blood Flow (ml/100 g/min)	152 (13.7)*	110 (29.1)	135 (45.9)	101 (20.1)
Maximal Conductance (ml/100 g/min/mmHg)	1.71 (0.26)#	1.36 (0.36)	1.37 (0.39)	0.99 (0.15)
Half Time to Recovery of Blood Flow (seconds)	55 (12)	51 (20)	60 (9)	75 (31)
Half Time to Recovery of NIRS (seconds)	24 (17)	20 (8)	25 (21)	37 (21)

Notes: * Significantly different than young inactive (p = 0.031) and older inactive (p = 0.005). # Significantly different than the older inactive (p < 0.001).

References
1. Olive J, DeVan A and McCully K: **The effects of aging and activity on muscle blood flow** *Dynamic Medicine* 2002, **1**:2.