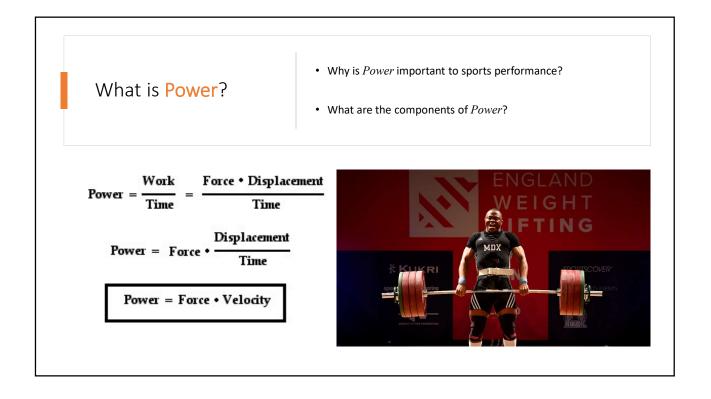
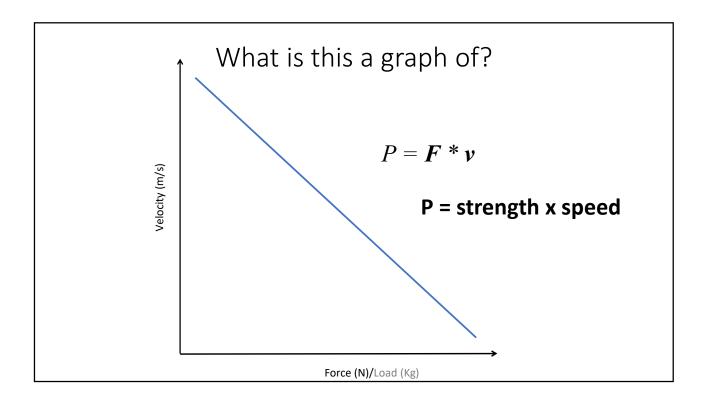
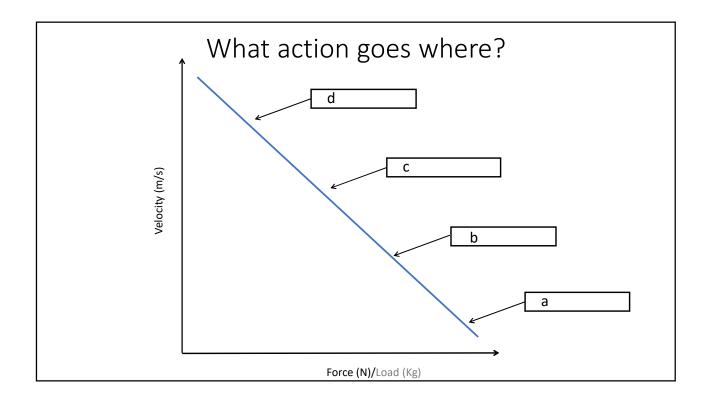
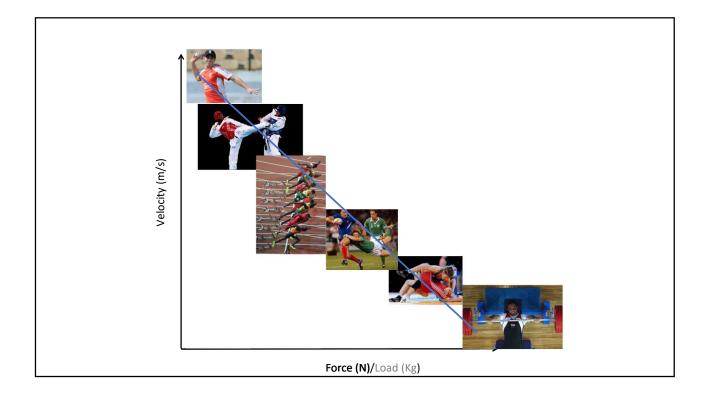


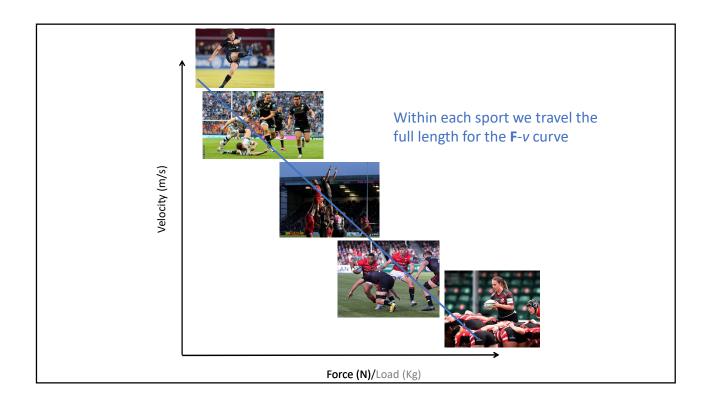
F-v curve

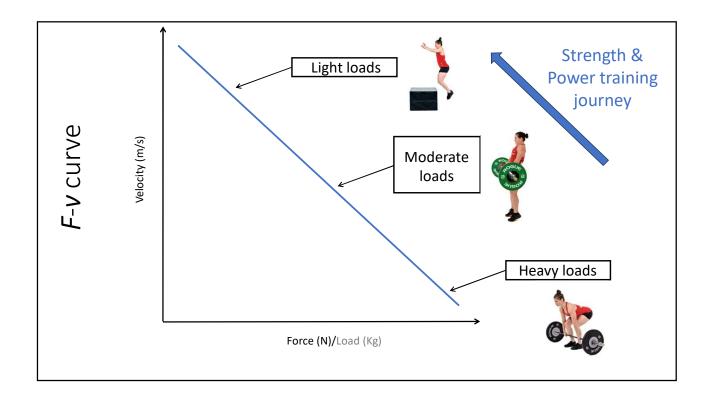


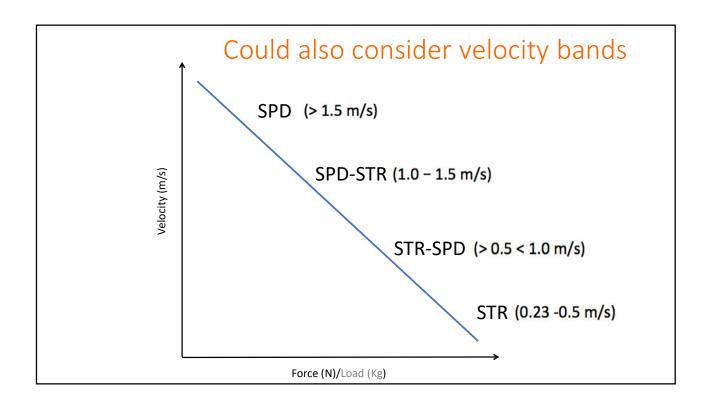


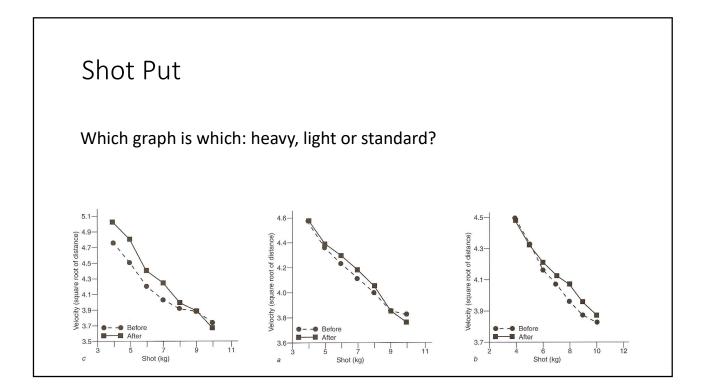




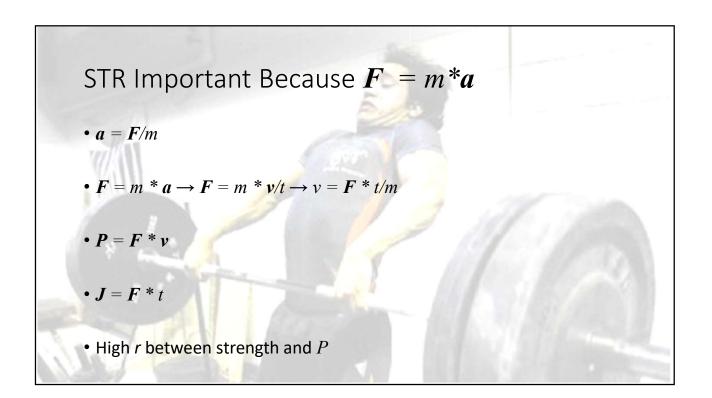


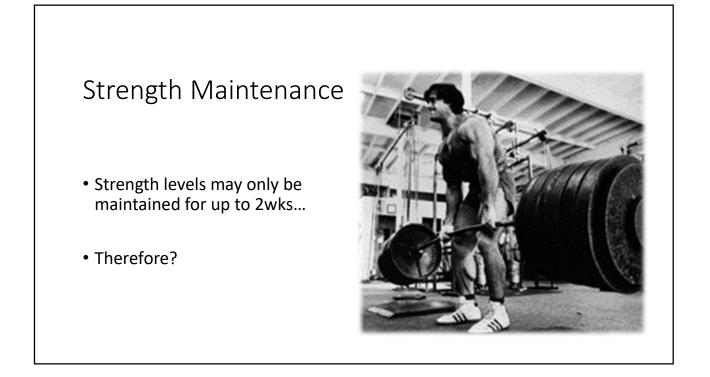


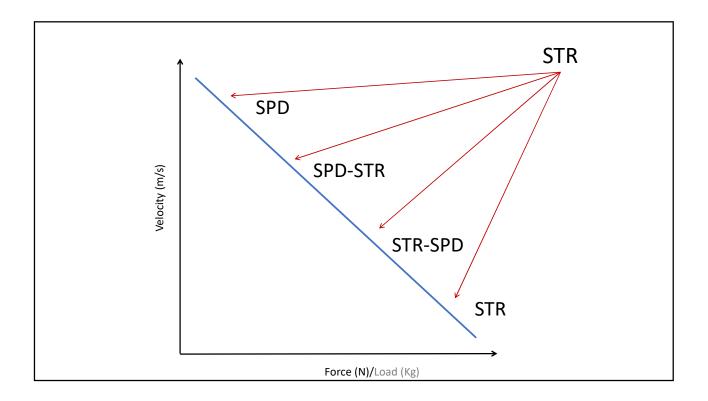


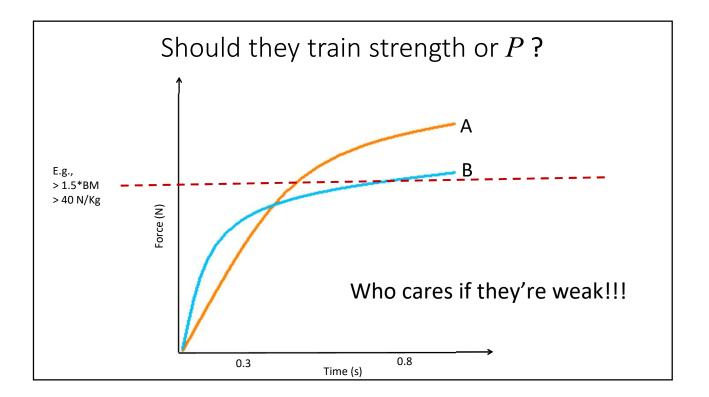










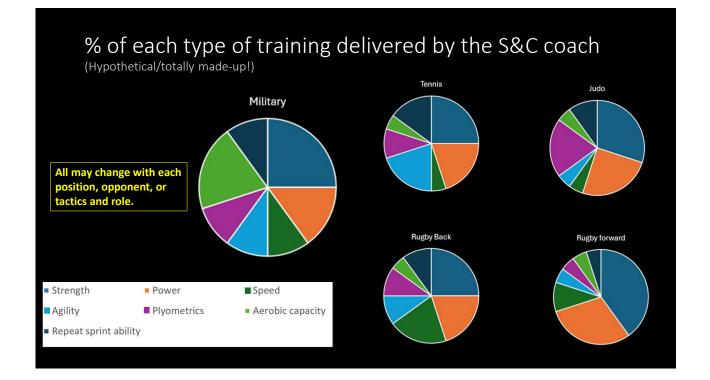


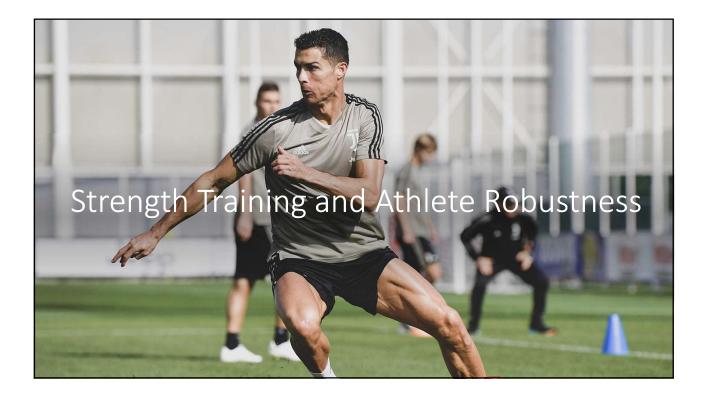












Fitter, Stronger, Faster:

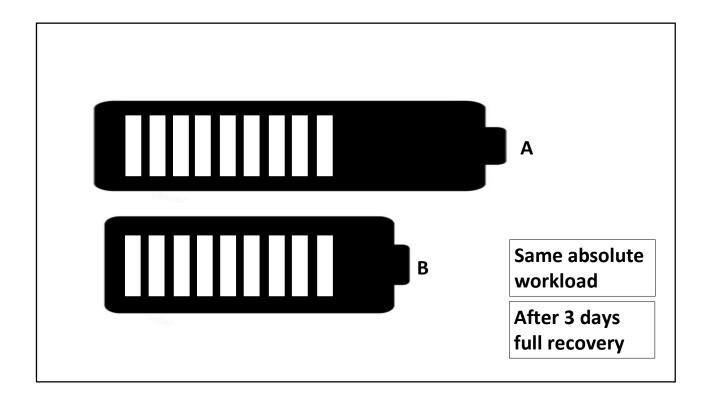
isk 🚮

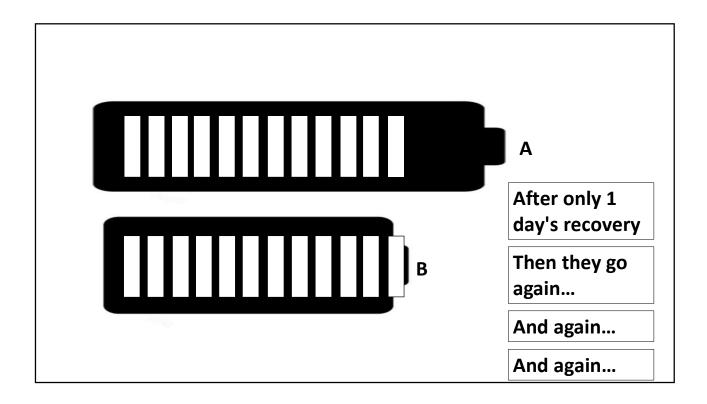
Malone, S., Hughes, B., Doran, D.A., Collins, K. and Gabbett, T.J., 2018. Can the workload-injury relationship be moderated by improved strength, speed and repeated-sprint qualities?. Journal of Science and Medicine In Sport.

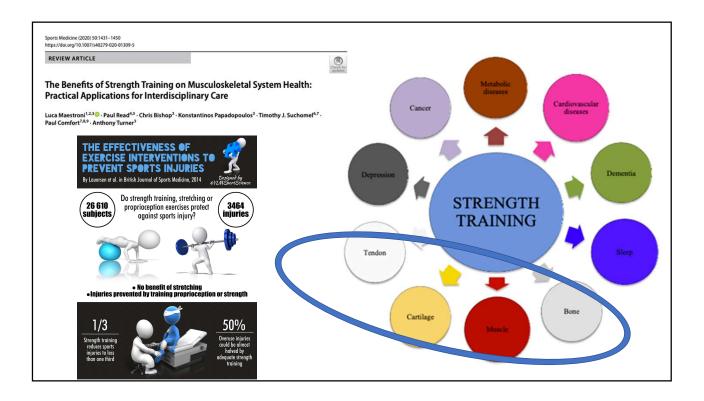


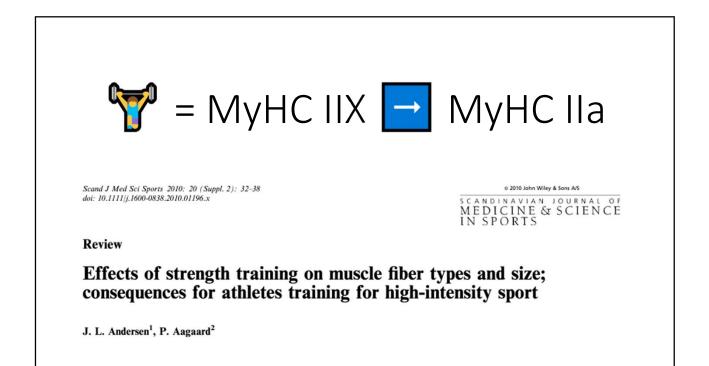
40 amateur male hurling players had their training loads, injuries, and physical capabilities monitored over 2 consecutive seasons

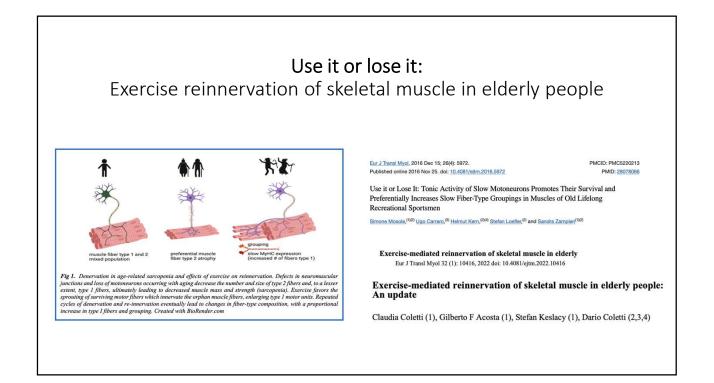


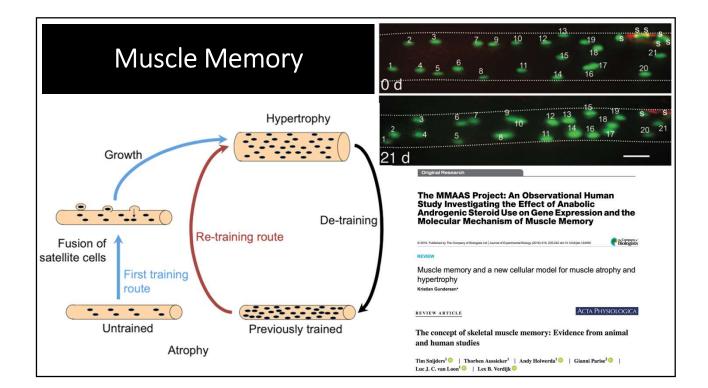












ACRM	Archives of Pl	References	Hazard ratio (95% CI) Weight
AMERICAN CONGRESS OF REHABILITATION MEDICINE		HANDGRIP STRENGTH Ahmad and Bath 2005	
	Archives of	Al Snih et al 2002 (a) Al Snih et al 2002 (b) Anstey et al 2001 Celis-Morales et al 2017	Hazard % References ratio (95% Cl) Weight
REVIEW ARTICLE	E (META-ANALYSIS)	Cesari et al 2008 Chen et al 2012 (a) Cooper et al 2014 Gale et al 2006	MEN Al Snih et al 2002 0.27-0.61) 4.85 Chen et al 2012 0.28 (0.13-0.59) 1.76
Muscular S	trength as a P	Guadalupe-Grau et al 2015 (a) Guadalupe-Grau et al 2015 (b)	Guadalupe-Grau et al 2015 - 0.29 (0.14–0.58) 1.97
Mortality i	in an Apparent	Katzmarzyk and Craig 2002 (a) Katzmarzyk and Craig 2002 (b)	Katzmarzyk and Craig 2002 0.67 (0.39–1.16) 3.10
	Review and M	Katzmarzyk and Craig 2002 (a) Katzmarzyk and Craig 2002 (b) Kishimoto et al 2014 (a) Kishimoto et al 2014 (b) Klein et al 2005	Kishimoto et al 2014 0.70 (0.53–0.92) 7.92 Koopman et al 2015 0.31 (0.08–1.30) 0.56
		Koopman et al 2015 (a)	- Leong et al 2015 - 0.50 (0.37-0.67) 7.29
Approxima	tely 2 Million	Koopman et al 2015 (b) Legrand et al 2014	Newman et al 2006 0.74 (0.63-0.91) 11.26 Ortega et al 2012 0.79 (0.75-0.83) 16.37
Antonio García	a-Hermoso, PhD, ^a Iv	Leong et al 2015 (a) Leong et al 2015 (b)	Rantanen et al 2000 - 0.79 (0.75–0.83) 14.20
	írez-Vélez, PhD, ^c Jc	Ling ět al 2010 Newman et al 2006 (a) Newman et al 2006 (b)	Shibata et al 1992 0.84 (0.64-1.10) 8.07
Duck-Chul Lee	, PhD, ^e Vicente Mar	Notuii et al 2016	Van den Beld et al 2005 0.48 (0.30–0.76) 3.99 Veronese et al 2016 1.16 (0.66–2.04) 2.93
		Ortega et al 2012 (a) Rantanen et al 2000 (a) Rantanen et al 2003 (b)	Willcox et al 2006
		Rolland et al 2006 (b)	Subtotal (P=71.0%, P=.000)
		Shibata et al 1992 (a) Shibata et al 1992 (b)	WOMEN
Conclusions:	Higher levels	of upper- and lower-bo	ody muscular strength are associated with a lower risk of mortality in adult popul
			strength tests can be easily performed to identify people with lower muscular strength
consequently,	, with an increa	used risk of mortality.	
		Willcox et al 2006 (a)	Newman et al 2006 0.39–0.93 8.27
		Subtotal (I ² =83.8%, P=.000) KNEE EXTENSION STRENGTH	Rantanen et al 2003 0.58 (0.40-0.83) 10.36
		Buckner et al 2012	Rolland et al 2006 0.75 (0.59-0.93) 16.47 Shibata et al 1992 0.62 (0.46-0.83) 13.12
		Guadalupe-Grau et al 2015 (a) Guadalupe-Grau et al 2015 (b) Newman et al 2006 (a)	Veronese et al 2016 0.79 (0.36–1.72) 3.26
		Newman et al 2006 (b) Ortega et al 2012 (a)	Subtotal (I ² =39.9%, P=.083)
		Takata et al 2007 Takata et al 2012	Survival Decease
		Timpka et al 2014 Veronese et al 2016 (a)	
		Veronese et al 2016 (b) Subtotal (I ² =88.5%, P=.000)	0.04 0.25 0.65 1 2.65
		Veronese et al 2016 (b)	0.04 0.25 0.65 1 2.65 Survival Decease



