











The protagonists



Polarised



Pyramidal



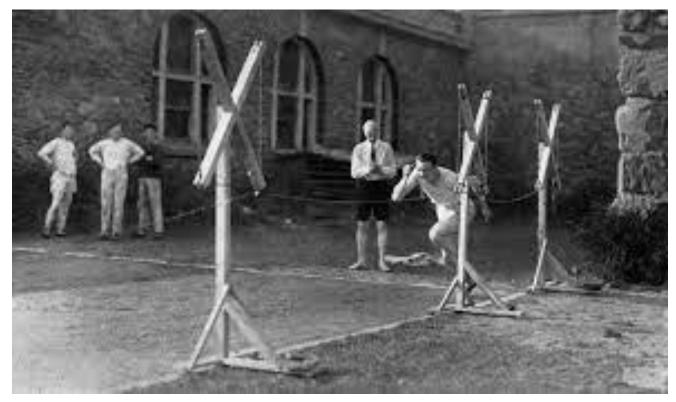














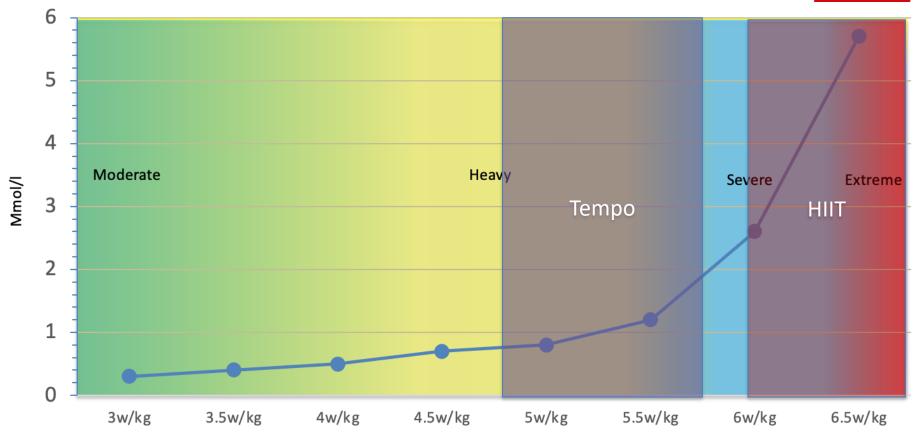
























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How Do Endurance Runners Actually Train? Relationship with Competition Performance

Phy clas

ESTEVE-LANAO, JONATHAN¹; JUAN, ALEJANDRO F. SAN¹; EARNEST, CONRAD P.²; FOSTER, CARL³; LUCIA, ALEJANDRO¹

BILLAT, VÉRONIQUE L.; DEMARLE, ALEXANDRE; SLAWINSKI, JEAN; PAIVA, MARIO; KORALSZTEIN, JEAN-PIERRE



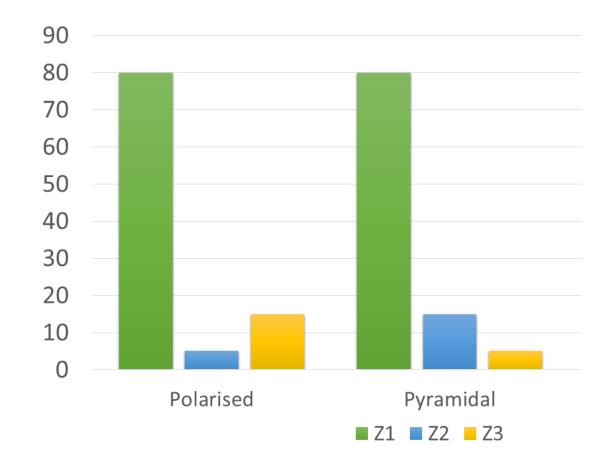






















The case for polarized training















The case for polarized training





Short-term sprint interval *versus* traditional endurance training: similar initial adaptations in human skeletal muscle and exercise performance

Martin J. Gibala, Jonathan P. Little, Martin Van Essen, Geoffrey P. Wilkin, Kirsten A. Burgomaster, Adeel Safdar, Sandeep Raha, Mark A. Tarnopolsky







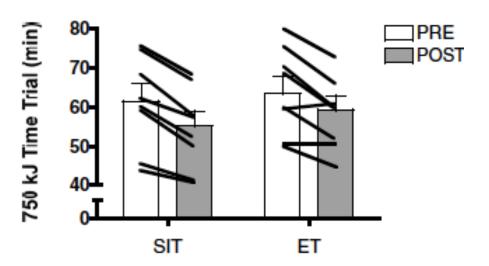




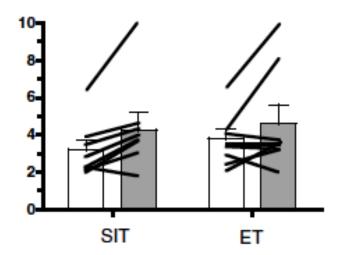
Short-term sprint interval *versus* traditional endurance training: similar initial adaptations in human skeletal muscle and exercise performance



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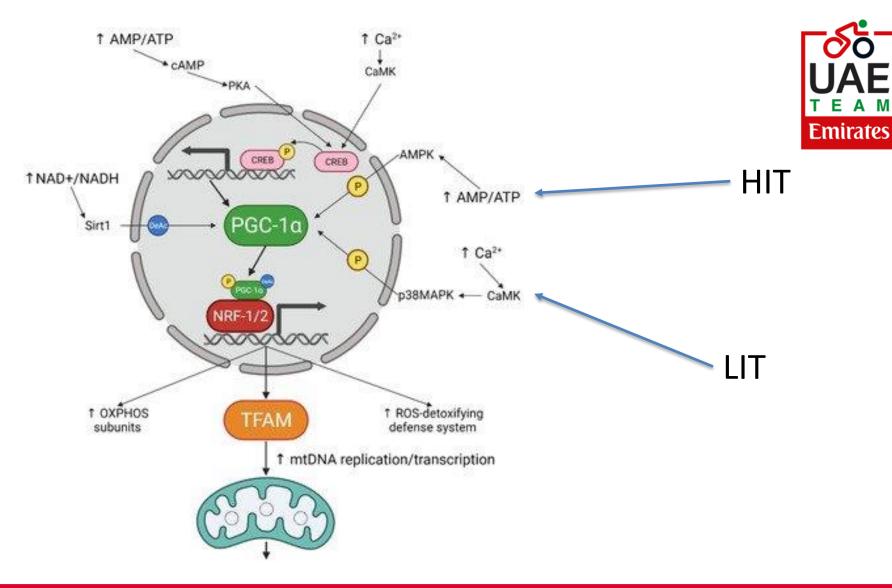




















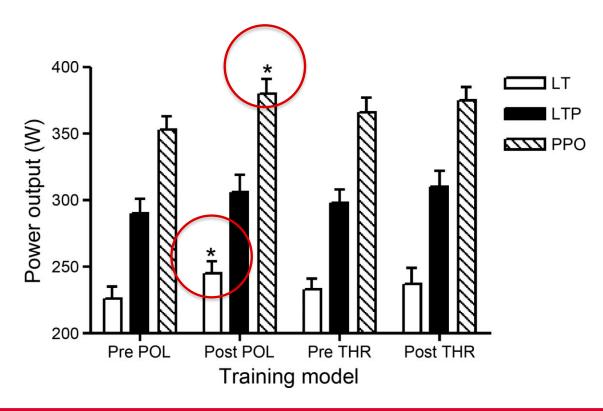


Six weeks of a polarized training-intensity distribution leads to greater physiological and performance adaptations than a threshold model in trained cyclists



Craig M. Neal, Angus M. Hunter, Lorraine Brennan, Aifric O'Sullivan, D. Lee Hamilton, ..

15 FEB 2013 // https://doi.org/10.1152/japplphysiol.00652.2012













Polarized training has greater impact on key endurance variables than threshold, high intensity, or high volume training





Thomas Stöggl^{1,2*} and R Billy Sperlich³



	POL	HIIT	THR	нут	
TTE	17.4 ± 16.1***	8.8 ± 8.6**	6.2 ± 9.0	8.0 ± 10.3	
V/P ₂	9.3 ± 12.4	12.1 ± 8.8**	2.0 ± 13.8	0.8 ± 13.3	
V/P ₄	8.1 ± 4.6**	5.6 ± 4.8*	$1.4 \pm 4.3^{\dagger}$	$1.2 \pm 6.6^{\dagger}$	
V/P _{peak}	5.1 ± 3.0**	4.4 ± 2.8**	1.8 ± 4.8	$-1.5 \pm 4.9^{\dagger \dagger \ddagger}$	

	POL		HIIT		THR		нут	
	Pre	Post	Pre	Post	Pre	Post	Pre	Post
VO _{2peak} [L⋅min ⁻¹ ⋅kg ⁻¹]	60.6±8.3	67.4±7.7*** 11.7±8.4%	63.7±7.1	66.6±5.8* 4.8±5.6%	63.2 ± 4.6	60.8±7.1 -4.1±6.7% ^{†††‡}	60.5±9.4	62.1±9.8 2.6±4.5% [†]
VO _{2pesk} [L⋅min ⁻¹]	4.4±1.0	4.9±1.1*** 10.4±7.9%	4.6±0.5	4.7 ± 4.9 1.1 ± 7.6% [†]	4.4±0.8	4.3±9.2 -3.7±7.0% ^{†††}	4.8±0.7	4.9±0.7 2.9±4.5% [†]























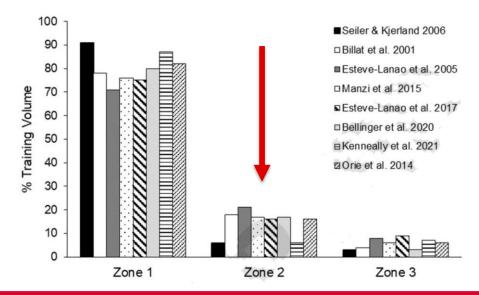




Elite endurance athletes rarely practice polarized training

Polarized Training Is Not Optimal for Endurance Athletes

BURNLEY, MARK^{1,2}; BEARDEN, SHAWN E.³; JONES, ANDREW M.⁴











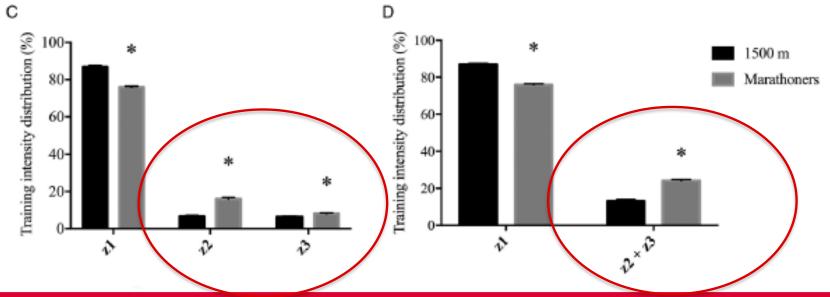




Elite endurance athletes rarely practice polarized training

Training Periodization, Methods, Intensity Distribution, and Volume in Highly Trained and Elite Distance Runners: A Systematic Review

Arturo Casado, ¹ Fernando González-Mohíno, ^{2,3} José María González-Ravé, ² and Carl Foster ⁴ ¹Center for Sport Studies, Rey Juan Carlos University, Madrid, Spain; ²Sport Training Lab, University of Castilla-La Mancha, Toledo, Toledo, Spain; ³Facultad de Ciencias de la Vida y de la Naturaleza, Universidad Nebrija, Madrid, Spain; ⁴Department of Exercise and Sport Science, University of Wisconsin, La Crosse, Wi, USA













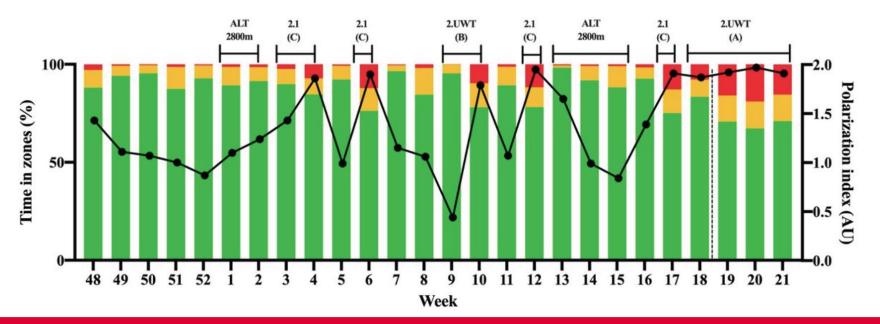


Elite endurance athletes rarely practice polarized training

How do world class top 5 Giro d'Italia finishers train? A qualitative multiple case study

MEDICINE & SCIENCE IN SPORTS

Gabriele Gallo^{1,2} | Manuel Mateo-March^{3,4} | Daniel Gotti⁵ | Emanuela Faelli^{2,6} | Piero Ruggeri^{2,6} | Roberto Codella^{5,7} | Luca Filipas^{5,7} |







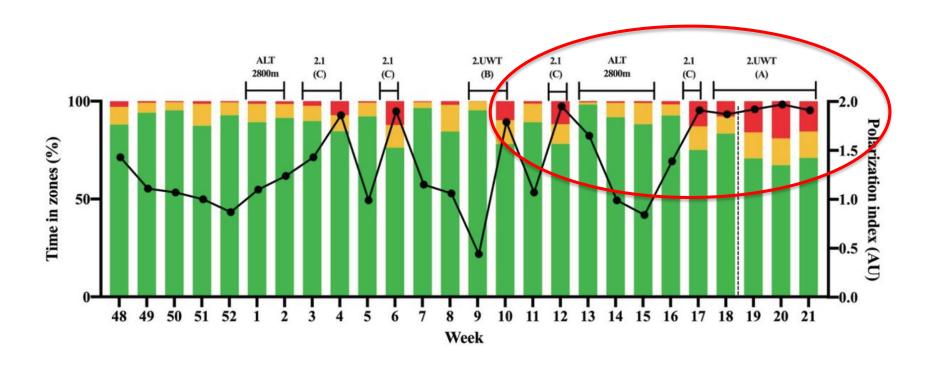








Specificity









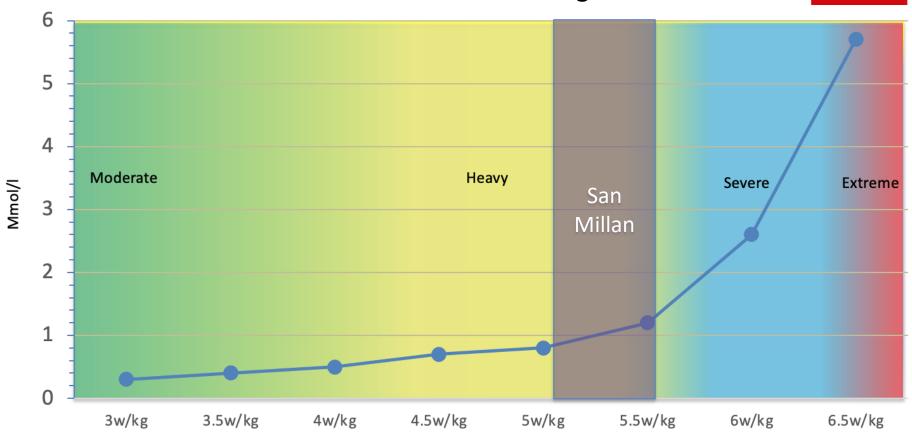




My own perspective

UAE T E A M Emirates

San Millan Zone 2 training









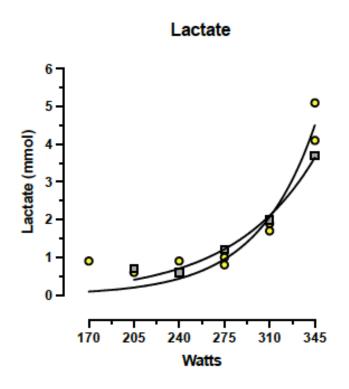


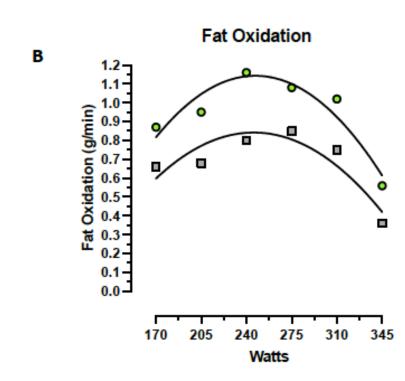


My own perspective

San Millan Zone 2 training













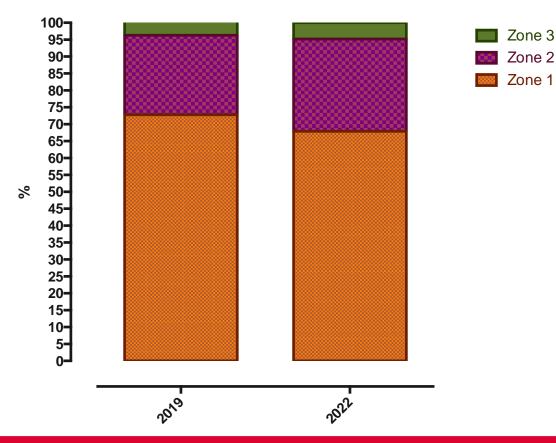




My own perspective

San Millan Zone 2 training















LET THE FIGHT COMMENCE











