

International Conference on Adaptations & Nutrition in Sports 19-21 July 2023, Singapore

ANTHOCYANIN-RICH SUPPLEMENTATION: EMERGING POTENTIAL FOR SPORT AND EXERCISE NUTRITION



Nursing and Allied Health



Health Currancy LTD



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Willems et al. Nutrients 14(7), 1475, 2022

New Zealand blackcurrant extract enhanced fat

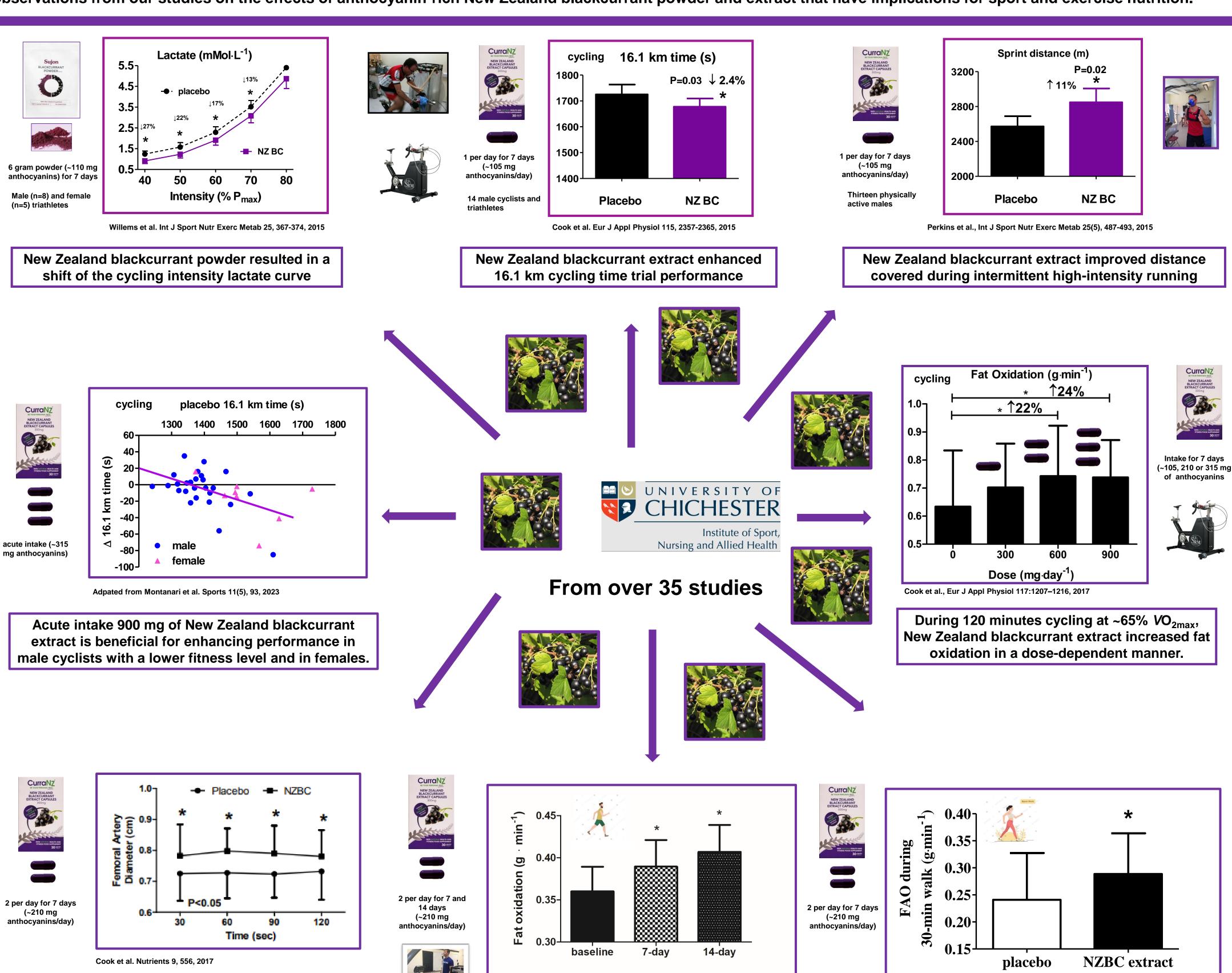
oxidation during 30-min treadmill walking at 5-MET

at 7 days (+25%) in recreationally active females



INTRODUCTION

Intake of dietary supplements by athletes and recreationally active people is primarily aimed to enhance exercise performance, physical training adaptations and post-exercise recovery. The beneficial effects of the single ingredient supplements caffeine, nitrate, creatine, beta-alanine, and bicarbonate are recognized for specific exercise conditions. Evidence is emerging for the application in sport and exercise of the intake of multi-ingredient functional foods, e.g. cherries and berries. We present some observations from our studies on the effects of anthocyanin-rich New Zealand blackcurrant powder and extract that have implications for sport and exercise nutrition.



CONCLUSIONS

Observations with anthocyanin-rich New Zealand blackcurrant powder and extract have provided meaningful observations for athletes and physically-active individuals. There are still many unanswered questions related to the optimal dosing strategies and specific mechanisms for the physiological, cardiovascular, metabolic and performance effects. However, New Zealand blackcurrant studies have provided a strong potential for anthocyanin supplementation in sport and exercise nutrition.

Sahin et al., J Diet Suppl 18(4):406-417, 2021

New Zealand blackcurrant extract enhanced fat

oxidation during 30-min treadmill walking at 5-

MET at 7 days (+11%) and 14 days (+17%) in

recreationally active males

ACKNOWLEDGEMENTS

New Zealand blackcurrant extract increased the

femoral artery diameter during a 2-min submaximal

(30%) isometric contraction.

We thank Health Currancy Ltd (United Kingdom), CurraNZ Ltd (New Zealand), Gibb Holdings (Nelson) Ltd (New Zealand) for supplementation and support for ICANS2023 attendance as well as Blackcurrant New Zealand Inc. and the University of Chichester for ICANS2023 attendance.