

Celebrating **Roger Hall's** pioneering role in the '**D3-Chalky Teeth movement**'



2003 – Roger welcomed Mike Hubbard to Melbourne

2007 – joined Hubbard lab (1 day/week casual)

2010-21 – acknowledged in 4 biochemical research papers leading to "100-year breakthrough" about MH pathology in 2021

2017 – Roger co-authored seminal paper on new concept for MH & D3s, leading to widespread adoption e.g. Colgate-USA in 2021, US National Library of Medicine in 2022, and AAPD's *Pediatric Dentistry* journal in 2024

2010

RESEARCH REPORTS

Biological

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J Dent Res 89(10):1160-1065, 2010

Surface Integrity Governs the Proteome of Hypomineralized Enamel

2020

Pathogenesis of Molar Hypomineralisation: Hypomineralised 6-Year Molars Contain Traces of Fetal Serum Albumin

Rebecca Williams^{1,2}, Vidal A. Perez^{1,2}, Jonathan E. Mangum¹ and Michael J. Hubbard^{1,2,4,5*}

Pathogenesis of Molar Hypomineralisation: Aged Albumin Demarcates Chalky Regions of Hypomineralised Enamel

Vidal A. Perez^{1,2}, Jonathan E. Mangum¹ and Michael J. Hubbard^{1,2,4,5*}

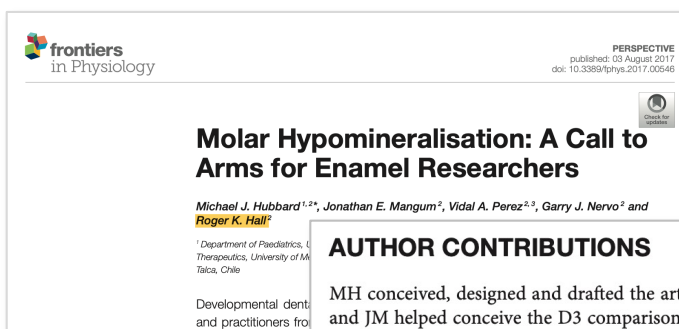
2021

A Breakthrough in Understanding the Pathogenesis of Molar Hypomineralisation: The Mineralisation-Poisoning Model

Michael J. Hubbard^{1,2,4*}, Jonathan E. Mangum¹, Vidal A. Perez^{1,2} and Rebecca Williams^{1,4}

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AUTHOR CONTRIBUTIONS

MH conceived, designed and drafted the article and figures. VP and JM helped conceive the D3 comparisons and Past Victories sections, respectively, and added other intellectual content. As originators of "D3 Dad's Army" (i.e., senior practitioners contributing hands-on to basic research in the Hubbard group), GN and RH have made numerous intellectual contributions to the perspective outlined here. All authors refined and reviewed the final manuscript.



LEARN MORE: thed3group.org/molar-hypomin-terminology



Adopting D3G's
translational paradigm
for Molar Hypomineralization
and Chalky Teeth

PEDIATRIC DENTISTRY
Editorial