

**THE ROLE OF THE OSTEOCYTE IN
ORTHODONTIC TOOTH MOVEMENT IN
THE RAT DENTO-ALVEOLAR COMPLEX**



THE UNIVERSITY
of **ADELAIDE**

Doctor of Clinical Dentistry (Orthodontics)

Thesis

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AUSTRALIA

2011

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Glossary of Abbreviated Terms

Ab	Antibody
ABC	Avidin-biotin complex
AEC	3-Amino-9-ethylcarbazole
Ag	Antigen
ALP	Alkaline phosphatase
ATP	Adenosine-5'-triphosphate
BMP	Bone morphogenetic protein
BMU	Basic metabolic unit
Ca ²⁺	Calcium ions
cAMP	Cyclic adenosine monophosphate
CGRP	Calcitonin gene related peptide
CSF	Colony stimulating factor
DNA	Deoxyribonucleic acid
ECM	Extracellular matrix
EDTA	Ethylenediaminetetra-acetic acid
ER	Oestrogen receptor
hMSC	Human mesenchymal stem cells
Ig	Immunoglobulin
IGF	Insulin-like growth factor
IL	Interleukin
IMVS	Institute of Medical and Veterinary Science
IP3	Inositol triphosphate
IR	Immunoreactive
IU	International units
K	Potassium
LRP 5/6	Lipoprotein receptor related protein 5/6
M	Molar (molarity)

M ¹	Maxillary first molar
M ²	Maxillary second molar
M-Csf	Macrophage colony-stimulating factor
MEPE	Matrix extracellular
MMP	Matrix metalloproteinases
<i>m</i> RNA	Messenger ribonucleic acid
MSC	Mesenchymal stem cells
NGS	Normal goat serum
NHS	Normal horse serum
NO	Nitric oxide
NT	Neurotrophin
O.C.T.	Optimal cutting temperature
OTM	Orthodontic tooth movement
PBS	Phosphate buffered solution
PDL	Periodontal ligament
PTH	Parathyroid hormone
PTHrP	Parathyroid hormone-related protein
RANKL	Receptor activator of nuclear factor kappa-β ligand
RER	Rough endoplasmic reticulum
RNA	Ribonucleic acid
TBS	Tris Buffered Solution
TGF	Transforming growth factor
TNF	Tumour necrosis factor
TRAP	Tartrate-resistant acid phosphatase
Trk	Tyrosine receptor kinase

Abbreviations of length

mm Millimetre

μm Micron

nm Nanometre

Abbreviations of time

d Day

h Hour

min Minute

s Second

wk Week

y Year

Abbreviations of volume

l Litre

ml Millilitre

μl Microlitre

Abbreviations of weight

g Gram

kg Kilogram

mg Milligram

ng Nanogram

Declaration

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Dr Dinesh Sanmuganathan

Dated:

Acknowledgements

I express my appreciation and gratitude to the following people for their invaluable assistance in the completion of this thesis.

Professor Wayne J. Sampson, P.R. Begg Chair in Orthodontics, University of Adelaide.

Associate Professor Craig W. Dreyer, Orthodontics Unit, School of Dentistry, University of Adelaide.

Dr. Angela Pierce, School of Dentistry, University of Adelaide.

Dr Kencana Dharmapati, Anatomical Sciences, School of Medicine, University of Adelaide.

Dr. Henry S.H. Ho, Specialist Orthodontist, Sydney, New South Wales.

Dr. James Moses, Specialist Orthodontist, Adelaide, South Australia.

Mrs Nadia Gagliardi and Ms. Gail Hermanis, Technical Officers, Anatomical Sciences, School of Medicine, University of Adelaide.

Mr Thomas Sullivan, Statistician, Data Management and Analysis Centre, University of Adelaide

Ms. Sandie Hughes, Laboratory Officer, Oral Pathology, University of Adelaide.

Professor P. Mark Bartold, Director, Colgate Dental Research Centre, Adelaide Dental Hospital, Adelaide.

Australian Society of Orthodontists Foundation for Research and Education for their funding.

My parents, Lilani and Rudran, brother Rumesh and sister Shanya for their support.