

Impact of using Dental Monitoring with aligners on treatment time and chairside appointments

This study was done independently by Dr. Grant Duncan in his private practice in Norwood, Australia

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Bio



Dr Duncan has been in specialty practice for over 25 years. He received his Bachelor of Dental Surgery from the University of Adelaide. He subsequently went on to achieve his Master of Science in Orthodontics from the University of Manitoba in Winnipeg, Canada.

Dr Duncan was one of **the first Invisalign providers in Australia to be honoured with Diamond Provider status in January 2015**. This is in recognition of his commitment to and clinical experience with Invisalign treatment. He is part of the national Invisalign accreditation team, lectures nationally and internationally on the Invisalign system, and teaches Invisalign to graduate orthodontic students within the University of Adelaide School of Dentistry.

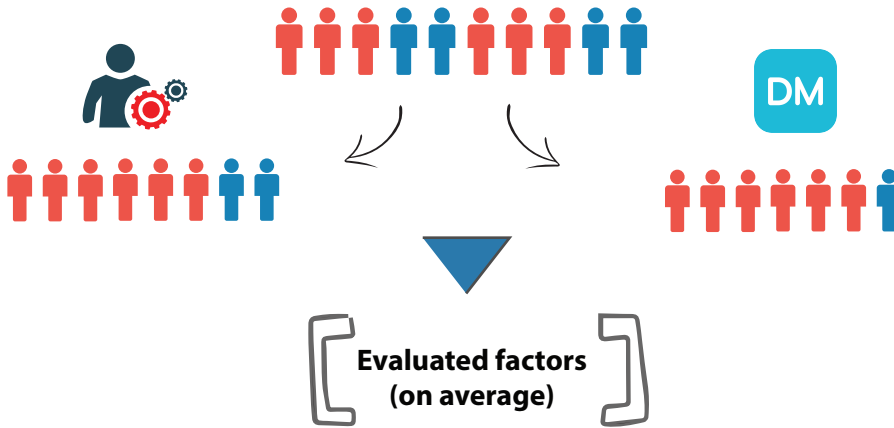
Dr Duncan has an interest in education, being a certified trainer for Invisalign Australia, a clinical tutor in the University of Adelaide graduate programme in orthodontics, past co-director of the Adelaide Seattle Study Group, founding president of the Australasian Orthodontic Study Group and a member of the prestigious Pierre Fauchard Academy of Dentistry.

Results

180 patients undergoing Invisalign trt

Control group
without DM

n= 100



Experimental group
with DM and
AOD -
Appointment Only
when Needed
n=80

Control Group (n=100)	Evaluated factors (on average)	Experimental Group (n=80)	Change
7.2	Doctor's appointments	2.1	▼ 70%
3.3	Auxiliary staff appointments	2.3	▼ 30%
10.5	Total active appointments	4.4	▼ 58%
91%	Number of refinements	13.9%	▼ 77%
17.3	Treatment length (months)	10.6	▼ 39%

Treatment +/- DM	Sample number	Doctor Apts	Auxiliary Staff Apts	Total active Apts	Number of refinements or MCC	Treatment length (months)
Non DM (Pre July 2017)	100	7.2	3.3	10.5	91%	17.3
Initial DM (non AOD)	86	4.1	2.6	6.7	33%	12.0
DM (Converted to AOD during Rx)	78	4.3	3.4	7.6	44%	15.9
Pure DM AOD	80	2.1	2.3	4.4	13.9%	10.6
All DM finished cases	244	3.5	2.7	6.2	30%	12.78