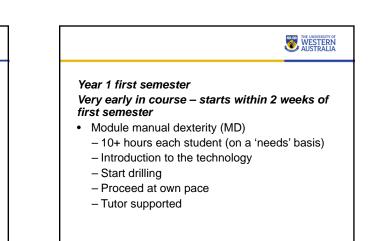


Background: Graduate training course for dentistry Doctor of Dental Medicine (DMD) • Four year graduate course

- Students have previously completed a 3 or 4 year Bachelor degree (or
- higher degrees)
- No prerequisite units
 - However: assumed knowledge of
 Tertiary Level Year 1:
 - Physics,
 - Chemistry and
 - Biology
- The introduction of manual dexterity training for academically bright students is a potential challenge



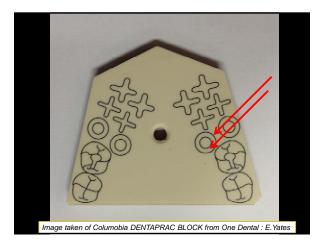


Method	WESTERN AUSTRALIA
 Aims Determine if haptic training can conventional simulation learnin Investigate a correlation betwee characteristics (age, gender an experience) and ability to pass simulation test environment after haptic simulation environment. 	ng environment. Sen individual Ind previous academic in the conventional



WESTERN AUSTRALIA Study Sample - UWA first year Doctor of Dental Medicine (DMD) (n=57) Methodology - After 5 hours of haptic training, a conventional training challenge occurred The shape cut was recorded with an optical scan of the flat surface of the plastic block - The shape was then measured using Image J software - Analysis

- Data were analysed using the R environment for statistical computing¹
- Percentage of success based on area was computed in SPSS version 22²





Less than 30.042 mm2

- Within the range 30.042 mm2 and 41.541 mm2 Greater than 41.541 mm2 •

•

The areas found to be within the range 30.042 mm2 and 41.541 mm2 were denoted as an acceptable pass

WESTERN AUSTRALIA

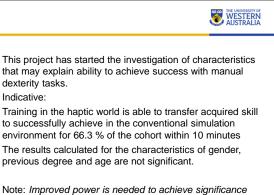
Results

66.3% of students were able to cut an acceptable doughnut shape in the DentaPrac Block (as determined by the area) within a time limit of 10 minutes.

Previous imperical experience is that without haptic training students struggle to achieve this standard in 3 hours.

Data relating to Gender (n=41) and previous tertiary degree (n=									
	Passed				Total				
	No Yes								
	Ν	%	Ν	%	N	%			
Gender									
Female	2	9.09	20	90.91	22	53.6			
Male	0	0	19	100	19	46.3			
Type of Previous Degree									
Health/Clinical Science	0	0	10	100	10	24.3			
Non-Science	1	16.67	5	83.33	6	14.6			
Science	1	4	24	96	25	60.9			

AIM 2 • Investigate a correlation between individual characteristics (age, gender and previous degree) and ability to perform in the conventional environment after training delivered in the in the haptic simulation. Methodology Demographic data supplied by Faculty of Medicine and Dentistry and Health Sciences Selection Committee UWA HREC Ethics approved

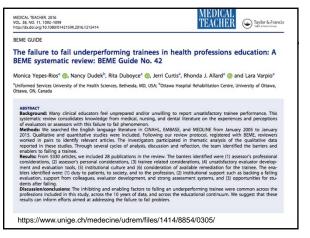


WESTERN AUSTRALIA									
	There were 41 students who passed at least one attempt of the conventional simulation tasks:								
Passed	Variable	N	Mean	Std Dev					
	Age	2	21.00	0.00					
No	HT Lesson Time	2	247.71	73.39					
NO	HT Drill Time	2	116.31	53.14					
	Total HT attempts	2	56.50	20.51					
	Age	41	25.41	3.83					
	HT Lesson Time	41	343.35	161.23					
Yes	HT Drill Time	41	126.12	39.85					
	Total HT attempts	41	130.63	65.74					



References

- 1. R Development Core Team (2005). R: A language and environment for statistical computing, reference index version 2.2.1. R Foundation for Statistical Computing, Vienna, Austria. ISBN 3-900051-07-0, URL http://www.R-project.org.
- 2. IBM Corp. Released 2013. IBM SPSS Statistics for Windows, Version 22.0. Armonk, NY: IBM Corp.



Practice points · We identified six barriers to failing underperforming trainees: (1) evaluator's professional considera-Investigating the transfer of skills learned in the haptic environment · If proven, how does this help individual students? · How does it help in training the next generation of able remediation for the trainee. clinicians? · How does it help academic staff?

- · How does it help the profession and patients?
- · How does it help the institution?

- tions, (2) evaluator's personal considerations, (3) trainee related considerations, (4) unsatisfactory evaluator development and evaluation tools, (5) institutional culture and (6) consideration of avail- We identified three enablers supporting assessors' willingness to fail a failing trainee: (1) duty to
- patients, to society, and to the profession, (2) institutional support such as backing a failing evaluation, support from colleagues, evaluator development, and strong assessment systems, and (3) opportunities for students after failing.

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Consider the issue of "Failing to Fail"

The difficult issue of assessing underperforming dental students

- · Are we able to grade students in a manner which assesses their proficiency of their clinical skills?
- · At what level should the student be able to have extra experience/training?

Failing to fail: clinicians' experience of assessing underperforming dental students H. M. Bush¹, R. S. Schreiber² and S. J. Oliver Cardiff School of Dentistry, Cardiff University, Cardiff, UK, Jniversity of Victoria School of Nursing, Victoria, BC, Canada

http://onlinelibrary.wiley.com.ezproxy.csu.edu.au/doi/10.1111/eje.12036/epdf

Aim: To develop an understanding of clinicians' approaches to assessing underperforming dental students.

Methodology: Seventeen clinical staff were interviewed (eleven females, six males). Interviews were recorded and transcribed verbatim. A grounded theory methodology was used, with simultaneous data collection and analysis. The main analytical technique was constant comparison.

Findings: Participants' shared basic problem was Assessing undergraduate students, expressed as how they evaluated and used the assessment system or perceived others to do so. The concentrationary, which explains what clinical staff do to manage their difficulited with assessment, was identified as Failing to Fail and has three subcategories: Evaluating the Assessment System, Shelding the Student and Protecting Myself.

Conclusion: This study has substantiated the complexity of failing to fail and confirmed that some causes are shared across healthcare professions, although insufficient staff discussion, the avoidance of confrontation and the impact of negative student attitude are not reported elsewhere or are minor findings. It is recommended that clinical staff receive additional training in assessment and that they are made more aware of their learning needs, their attitudes and beliefs. Increased discussion between staff about assessment and about students known to be in difficulty is essential.

Until now, the focus has been on helping the student to succeed Soon, there could be an opportunity to help the academic staff member and institution to carry out their most challenging duty......

