Pairing as an instructional strategy to promote soft skills amongst clinical dental students


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Abstract

Training dentists today is challenging as they are expected to provide a wide range of dental care. In the provision of good dental care, soft skills are equally important as clinical skills. Therefore in dental education the development of soft skills are of prime concern. This study sought to identify the development of soft skills when dental students were paired in their clinical training. In this perception study, four open-ended items were used to elicit students' feedback on the appropriateness of using clinical pairing as an instructional strategy to promote soft skills. The most frequently cited soft skills were teamwork (70%) and communication (25%) skills. However, both negative and positive behaviours were reported. As for critical thinking and problem solving skills, more positive behaviours were reported for abilities such as to explain, analyze, find ideas and alternative solutions, and make decisions. Leadership among peers was not evident as leading without legitimate authority could be a hindrance to its development. If clinical pairing is to be used as an effective instructional strategy to promote soft skills amongst students, clear guidelines need to be developed to prepare students to work in a dental team and the use of appropriate assessment tools can facilitate the development of these soft skills. © 2013 John Wiley & Sons A/S.

Author keywords

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Indexed keywords

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<table>
<thead>
<tr>
<th>References (34)</th>
<th>View in search results format</th>
</tr>
</thead>
</table>
| 1               | Strandberg, E.L., Ovhed, I., Borgquist, L., Wilhelmsson, S.  
The perceived meaning of a (w)holistic view among general practitioners and district nurses in Swedish primary care: A qualitative study  
doi: 10.1186/1471-2296-8-8  
View at Publisher |
| 2               | Bergh, A.M., Van Staden, C.W., Joubert, P.M.  
Medical students’ perceptions of their development of ‘soft skills’ Part II: the development of ‘soft skills’ through ‘guiding and growing’  
| 3               | Qualtrough, A.J.  
Education. Prepare to pair  
doi: 10.1038/sj.bdj.4808546  
View at Publisher |
| 4               | Lowther, M.W., McMillan, W.J., Venter, F.  
Education for actuarial quality must develop more than technical competence  
| 5               | Cowpe, J., Plasschaert, A., Harzer, W., Vinkka-Puhakka, H., Walmsley, A.D.  
Profile and competences for the graduating European dentist - update 2009  
doi: 10.1111/j.1600-0579.2009.00609.x  
View at Publisher |
| 6               | ADEA foundation knowledge and skills for the new general dentist  
American Dental Education Association |
| 7               | Singh, K., Kipli, N.A., Abdullah, M.H.  
(2009)  
The perception of the implementation of soft skills among students. Available from  
Universiti Putra Malaysia. Ministry of Higher Education Malaysia (MOHE), Modul Pembangunan Kemahiran Insaniah (Soft Skills) untuk Institusi Pengajian Tinggi Malaysia |
Medical students on the value of role models for developing 'soft skills' - "That's the way you do it"

The conceptualisation of "soft skills" among medical students before and after curriculum reform

Training undergraduate medical students in 'soft skills' - A qualitative research project at the University of Pretoria

12. Broder, H.L., Janal, M.
Promoting interpersonal skills and cultural sensitivity among dental students.
View at Publisher

13. Hottel, T.L., Hardigan, P.C.
Improvement in the interpersonal communication skills of dental students.
View at Publisher

14. Qualtrough, A.J.E.
Student operator-assistant pairs: An update

Curriculum structure, content, learning and assessment in European undergraduate dental education - update 2010
View at Publisher

Building collaborative teams in neonatal intensive care
http://qualitysafety.bmj.com/content/22/5/374.full.pdf
doi: 10.1136/bmjqs-2012-000909
View at Publisher
Building effective clinical teams in healthcare
doi: 10.1108/14777261211251508
View at Publisher

Improving teamwork between students from two professional programmes in dental education
doi: 10.1111/j.1600-0579.2011.00702.x
View at Publisher

19. Formicola, A., Valachovic, R.W., Chmar, J.E., Mouradian, W., Bertolami, C.N., Tedesco, L., Aschenbrener, C., ..., Strauss, R.
Curriculum and clinical training in oral health for physicians and dentists: report of panel 2 of the Macy study.
View at Publisher

20. Chilcutt, A.S.
Exploring leadership and team communication within the organizational environment of a dental practice
View at Publisher

University of Malaya dental students' attitudes towards communication skills learning: Implications for dental education
http://www.jdentaled.org/content/75/12/1611.full.pdf+html
View at Publisher

Student attitudes towards communication skills training in a medical college in Western Nepal
doi: 10.1080/13576280500534693
View at Publisher

23. Power, B.T., Lennie, S.C.
Pre-registration dietetic students' attitudes to learning communication skills
doi: 10.1111/j.1365-277X.2012.01226.x
View at Publisher
24. Undergraduate students' attitudes to communication skills learning differ depending on year of study and gender

doi: 10.1080/01421590400029541

View at Publisher

25. The importance of teaching communication in dental education. A survey amongst dentists, students and patients


View at Publisher

26. Communications skills in dental education: A systematic research review

doi: 10.1111/j.1600-0579.2009.00586.x

View at Publisher

27. Perceived benefits of peer leadership as described by junior baccalaureate nursing students.


View at Publisher

http://www.merriam-webster.com/dictionary/peer

29. An analysis of peer leadership competencies and skills [Dissertations, Paper 7]. Bowling Green, Kentucky: Western Kentucky University; [cited 2011 July 12]. Available from
http://digitalcommons.wku.edu/diss/7

30. Clinical leadership project

doi: 10.3928/01484834-20100831-02

View at Publisher

31. Developing leadership in nursing: Exploring core factors

http://www.internurse.com/cgi-bin/go.pl/library/article.cgi?uid=82542;article=BJN_20_5_306_309

View at Publisher
On ethics in the profession of dentistry and dental education

doi: 10.1111/j.1600-0579.2007.00448.x

View at Publisher

Assessing professionalism within dental education; the need for a definition


View at Publisher

Human rights and professional responsibilities in health care and education

doi: 10.1111/j.1600-0579.2007.00475.x

View at Publisher