IOTN - an uphill struggle?

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BOS Commissioners' Day

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IOTN

- Determines eligibility for primary care NHS treatment
- Index of Treatment Need NOT complexity or outcome
- Simple to use – training/calibration advisable
- Rates the most severe feature of the malocclusion only
- Part of undergraduate training…

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IOTN and referrals

- All standardised referral forms ask for GDP to grade IOTN
  - Generally poor quality/quantity of information supplied
  - E-referral may help quantity but not quality

Can dental registrants use the Index of Orthodontic Treatment Need accurately? Part 2. Factors influencing knowledge of IOTN among dental registrants

Z. Jawad,*[1] C. Bates[2] and T. Hodge[3]

Aim To understand the frequency of use and training of IOTN amongst dental registrants working in primary and secondary care. To ascertain which factors influence 'accuracy' of IOTN amongst dental registrants. **Method** Participants were asked to complete a short questionnaire at the same time as scoring the IOTN for 14 cases. The questionnaire was developed by the authors of this study to understand registrants' place of work, frequency of use of IOTN and training undertaken in IOTN

Can dental registrants use the Index of Orthodontic Treatment Need accurately? Part 1: Knowledge of IOTN among dental registrants

Z. Jawad,*[1] C. Bates[2] and T. Hodge[3]

RESEARCH

IN BRIEF

- Explains how the Index of Orthodontic Treatment Need (IOTN) is used.
- Gives understanding of dental registrants ability to apply the IOTN accurately in terms of agreement and diagnostic validity.

Aim To determine whether dental registrants can use the dental health component (DHC) and aesthetic component (AC) of the Index of Orthodontic Treatment Need (IOTN) 'accurately' to an acceptable level of agreement and diagnostic validity. **Method** Participants from six different registrant groups were asked to score the IOTN for 14 cases based on study models and photographs as well as completing a short questionnaire. Participants in the study were all recruited at study days and annual conferences. The main outcome measures include the different registrant groups IOTN scores compared to expert panel scores using kappa statistics. To assess for diagnostic validity, individual participants sensitivity and specificity scores

What did the research show……

- Study looked at how accurately IOTN is applied
- Participants from six different registrant groups were asked to score the IOTN for 14 cases based on study models and photographs
- Scores compared to expert panel

What did the research show……

- Overall agreement for the IOTN DHC was varied for the different registrant groups
  - Specialist orthodontists, postgraduate orthodontic student and the qualified orthodontic therapist ‘acceptable’ agreement
  - Dental Foundation Trainee and GDPs had poor and fair agreement respectively.

What did the research show……

- Registrants were better at applying the DHC compared to the AC
  - Agreement ranging from poor to fair.
- More needs to done to help registrants use the IOTN more ‘accurately

What did the research show……

- The main factors which were found to influence accuracy of use of IOTN
  - Place of work – 2y>1y
  - Frequency of use of IOTN
  - Registrant group

IOTN and referrals

- Increasing accuracy of IOTN scoring by referring GDPs
  - Reduce number of 'inappropriate referrals'
  - Improve service to patients
  - Improved value for money (remember fixed assess:treatment ratios)

IOTN and GDPs

- Training challenges
  - Small part of the referring GDP world
  - Referring GDPs change
  - Concern re medico-legal issues
  - Family pressure to refer

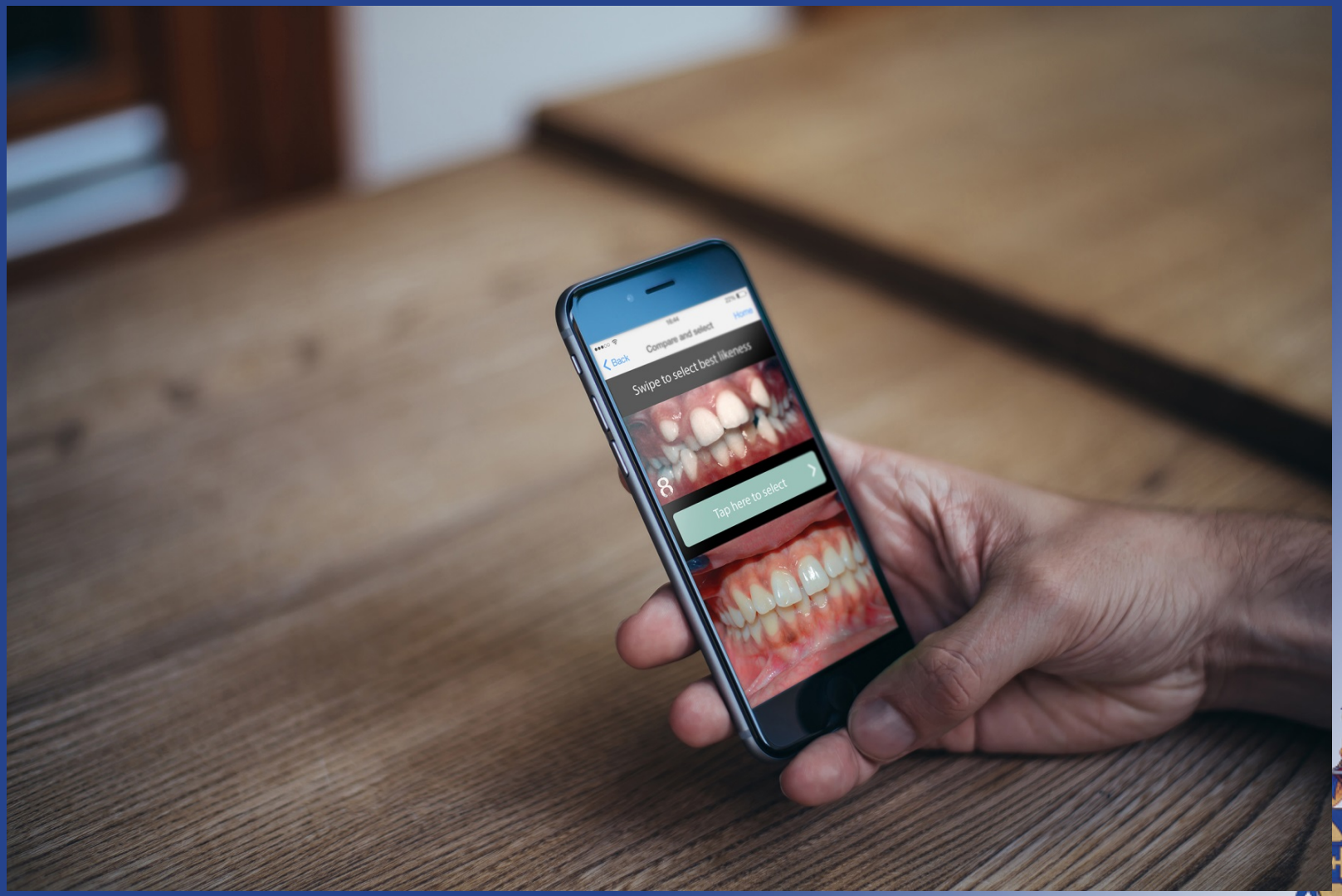
IOTN and GDPs

- Training opportunities
  - Undergraduate
  - Dental Foundation Training
  - Provider outreach
  - S63 courses
  - E-referral/referral form guidance
  - The BOS solution…..

The BOS solution

The BOS solution

The BOS solution

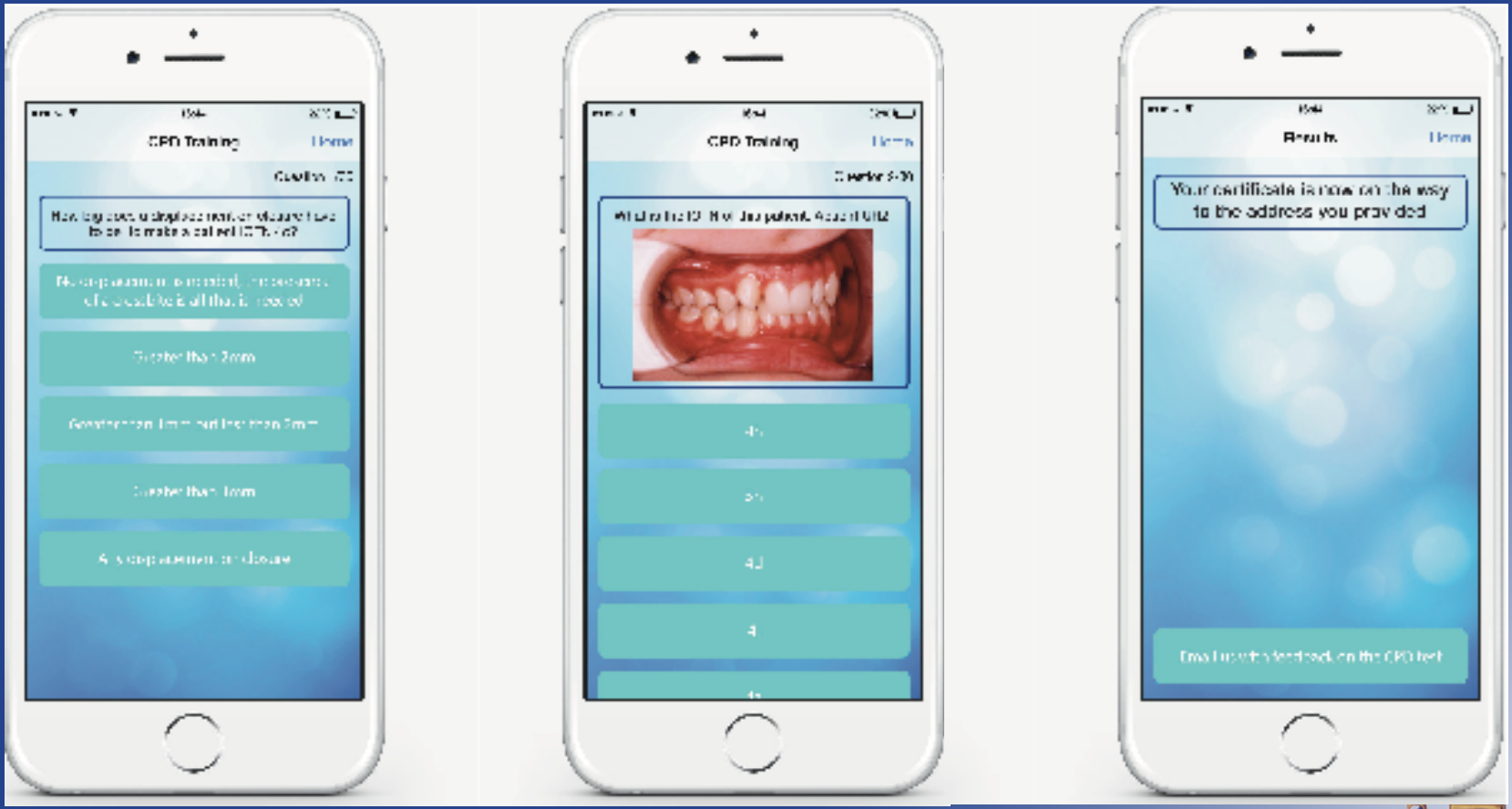


IOTN Scoring
CPD Training
BOS

M
MISSING
Missing
Information:

Show IOTN DHC score
IOTN SCORE: 5a
AESTHETIC COMPONENT

Swipe to select best likeness
Tap here to select
DENTAL HEALTH SCORE: 5a
AESTHETIC SCORE: 6
FINISHED


CPD Training
CPD Training
Your certificate is now on the way
to the address you provided

Conclusions

- IOTN here to stay
- Training essential but challenging
- BOS IOTN app available soon