

Comparison of Patient Timings and Preference between Conventional Paper Versus Touch Screen Collection of Head and Neck QoL Data in a Clinical Setting

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Aims

Examine ease of use
Computer Versus Paper Copy

Assess the patients' Preference
Computer Versus Paper Copy

What's been Happening Out There On Touch Screens?

- **J McEwen's group (1999)**
 - Cancer patients in Scotland.
 - Patients' demographics, information preferences, technology use and psychological state
- **Peter Selby's group (2001)**
 - Psychological distress (HADS, EORTC, Mental Inventory-MH15) and Concerns Checklist from patients in Leeds.
- **Simon Rogers' group (2006)**
 - Collection of QoL UWQoLv4, patients with oral and oropharyngeal cancer.
 - ¾ of patients preferred touch screen
 - Completion of QoL questionnaires in less than 10 minutes

Methods

- Initially 6 patients from 'Focus Group' were asked to complete
 - UWQoLv4, EORTC QLQ30, EORTC H&N35, Patients evaluation sheet.
- 21 patients with H&N cancer were asked to complete these in clinical setting
- All patients then asked to take paper copies of same QoLs home to time and complete.
- All patients were asked to complete an evaluation sheet
 - Preference
 - Which method they found quicker
 - Ease of use
 - Completion of free text as easy on both methods
 - Addition of kissing

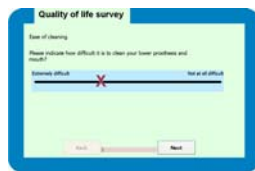
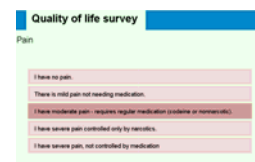
Focus Group Patients



Development of Touchscreen software

- Access database
- Front and Back end format
- 7 QOL programmes available
- Allows free text
- Ensures full compliance
- Automatic timing
- Downloads data straight into SPSS
- Allows Visual Analog Scoring
- Can add additional QOL questionnaires

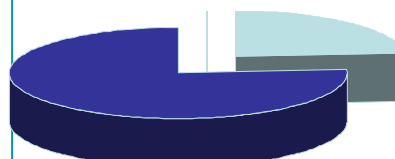
Touchscreen pages



Results

Speed of

76% Quicker on computer



Preference...

76% Preference for computer



Addition of Free Text

27% Easier On paper
2% No response
71% Free text equivalent



Addition of Kissing



Additional Comments:

- Can't suck therefore can not kiss. Very disappointing!
- Not a subject approached by medical staff. Makes me depressed.
- To highlight personal embarrassment following oral surgery.
- It is a part of life and normality of daily routine. It is also a sign of affection and can change moods of people.
- Loss of motor control, have to change the way we kiss.
- Not been able to open mouth wide, hard to kiss!!

Conclusions

Advantages of Computer

- Quicker to use
- Easier to use
- Patients prefer it
- No skipping of questions
- No transcription errors
- Can use in clinical setting
- Can be up-dated and modified with ease
- Print outs of areas requiring intervention

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