

EXPERIENCE IN USE OF IT FOR OLDER PEOPLE

ALEX YUE
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Rationale of using IT Technology

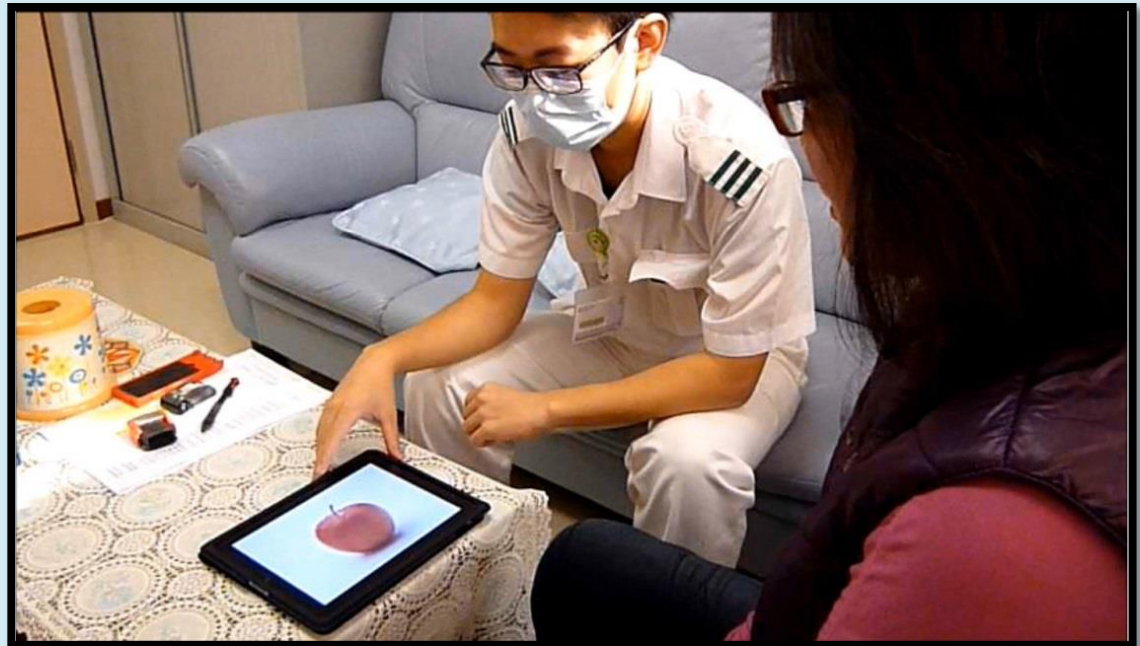
1. More flexible and allow an interactive approach with respect to the patient's difficulties (Galante et al., 2007)
2. Promotion of motivation to learn (Gunther et al., 2003)
3. Delaying disease progression
 - In a RCT by Galante et. al in 2007
 - patients with AD and mild cognitive decline
 - effective at least in delaying the continuous progression of cognitive impairment
4. Long-term improvement (Gunther et al., 2003)

Recent Development in use of IT

- Mobile tablet Computer
- X Box Kinect
- Microsoft Surface SUR40
- Touch Screen Computer
- Internet Platform
- Robotic Pet - PARO

Mobile Tablet Computer

- Since April 2011
- Psychogeriatric + GDH
- Characteristics:
 - Portable
 - Multimodal Stimulation
 - Widely Available
 - Accessible at home
- Purpose:
 - Cognitive Rehab
 - Mx Of BPSD
 - Educational Materials



Mobile Tablet Application

Case Demonstration

- Patient with late stage AD with BPSD (restlessness, wandering)

Outcome	<ul style="list-style-type: none">• More relevant conversation• Less irritable and restless
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iPad: Local Apps

老有所E:
Designed by 靈實協會

六藝 Project ADA:
Designed by ADA



Mark-6:
Designed by OT of SH

Home Base Training



Cognitive Training

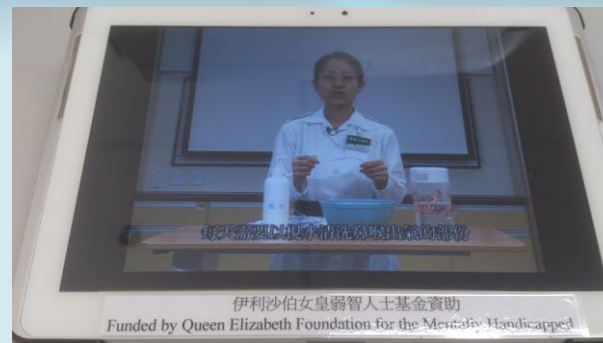
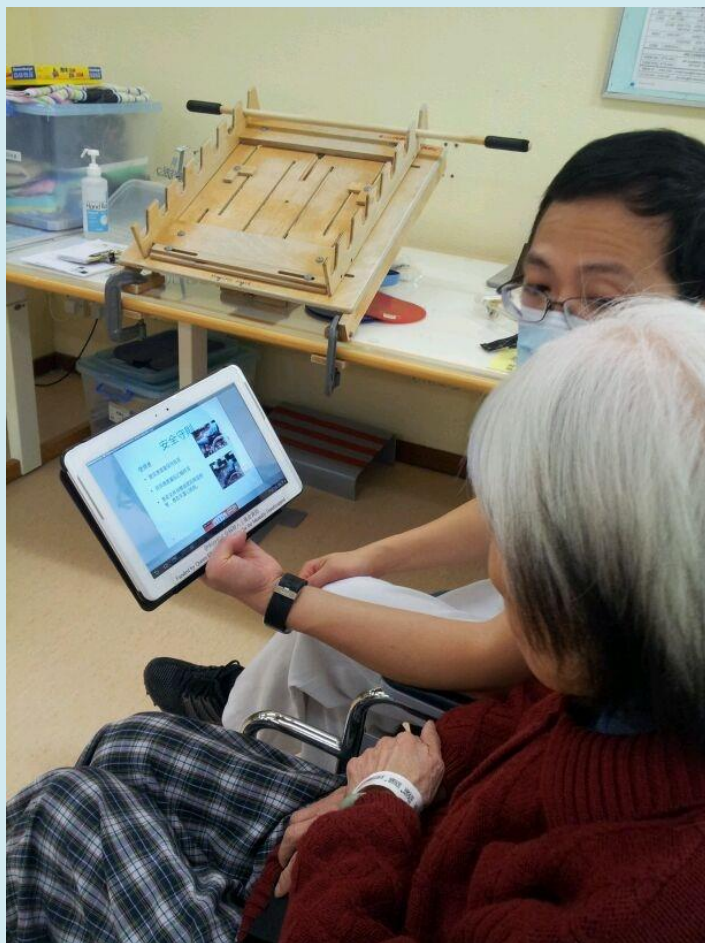
Visual memory training: 買咩餸



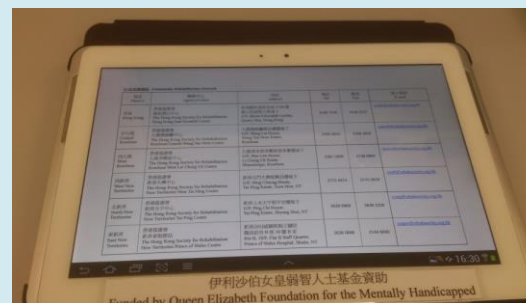
Working memory training: 記麻雀



Patient Education



Education Video



Community Resources

XBOX Kinect

- Application on patients in GDH since Feb, 2012
- Existing commercial games suitable for patients with higher level of function



XBOX: Local game development

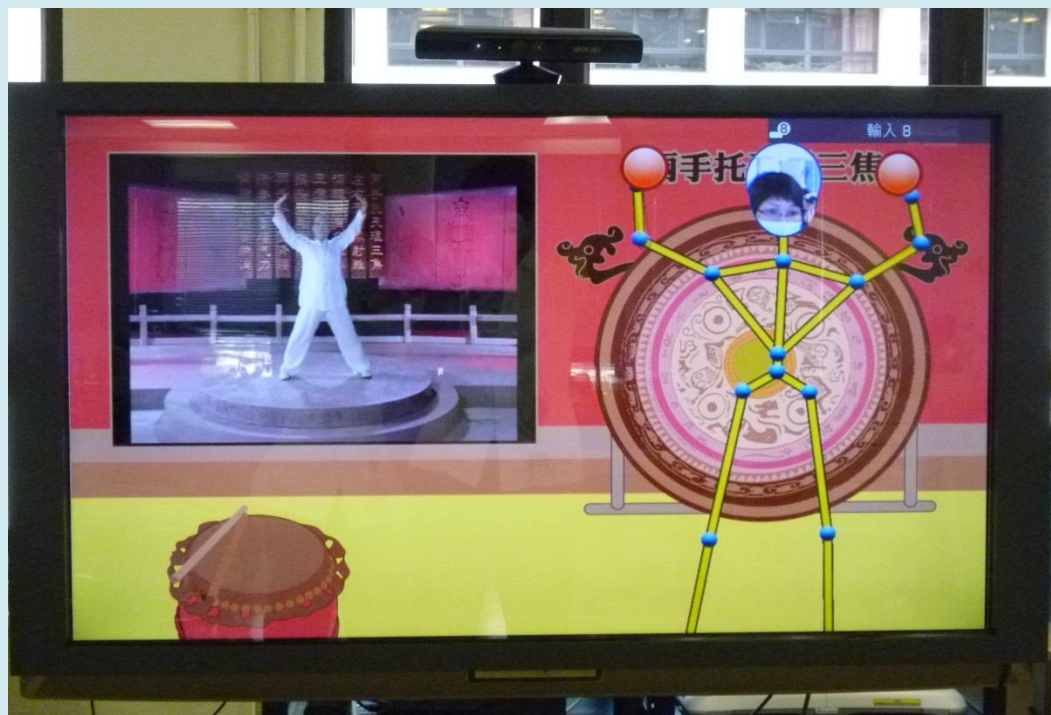


- Gradation
- Processing Speed
- Language

世界之窗



八段錦



Microsoft Surface SUR40

Touch screen computer table with 52 simultaneous input



Bingo



大開眼界

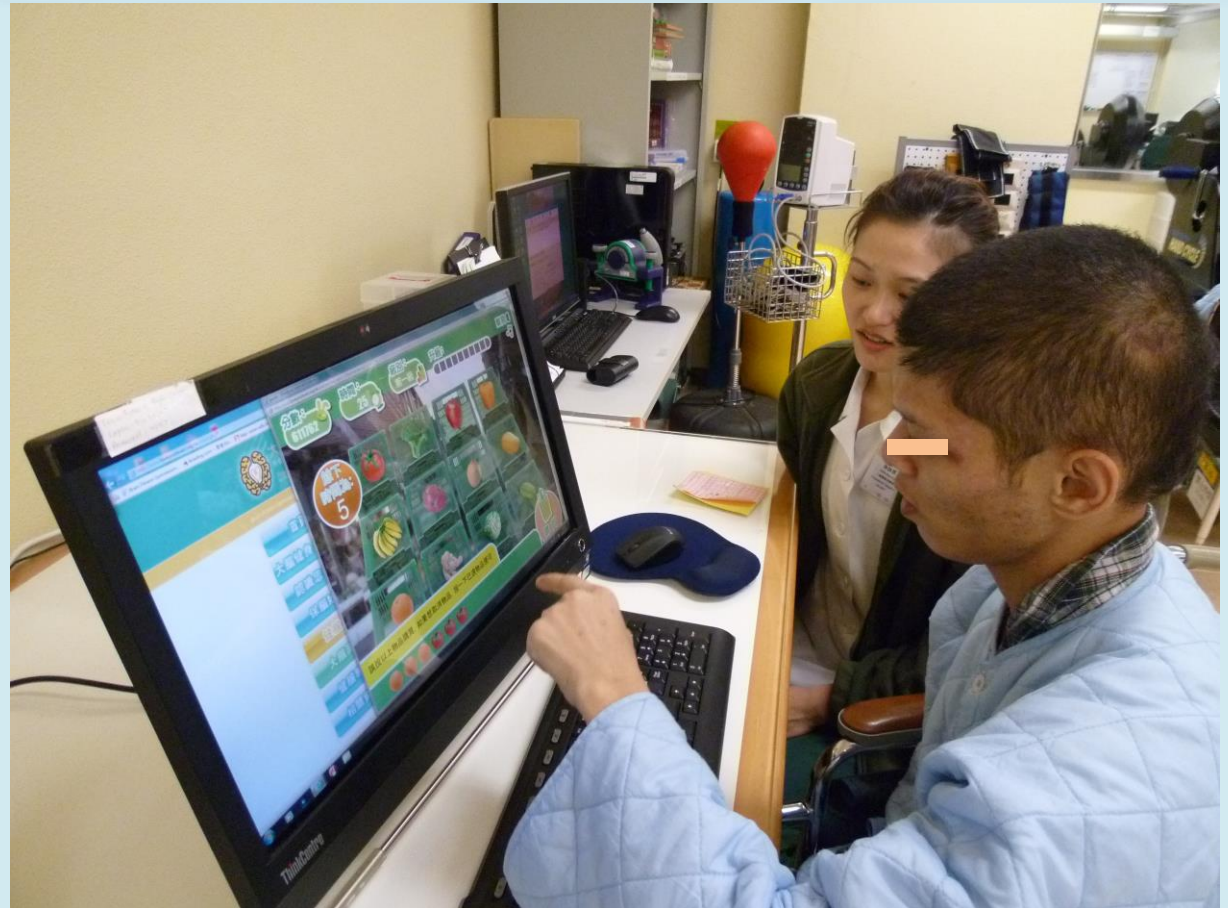


眾裡尋寶



Touch Screen Computer

- ✓ Ease of use
- ✓ No need to use keyboard or mouse
- ✓ Interactive with what is display



Brain Gym

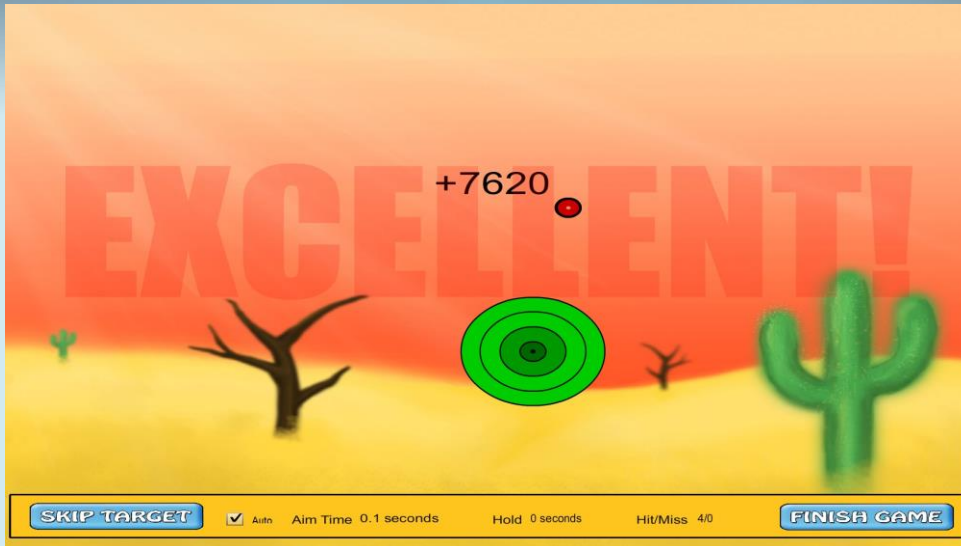


Visual memory training: 買咩餸

Working memory training:
記麻雀



Imable

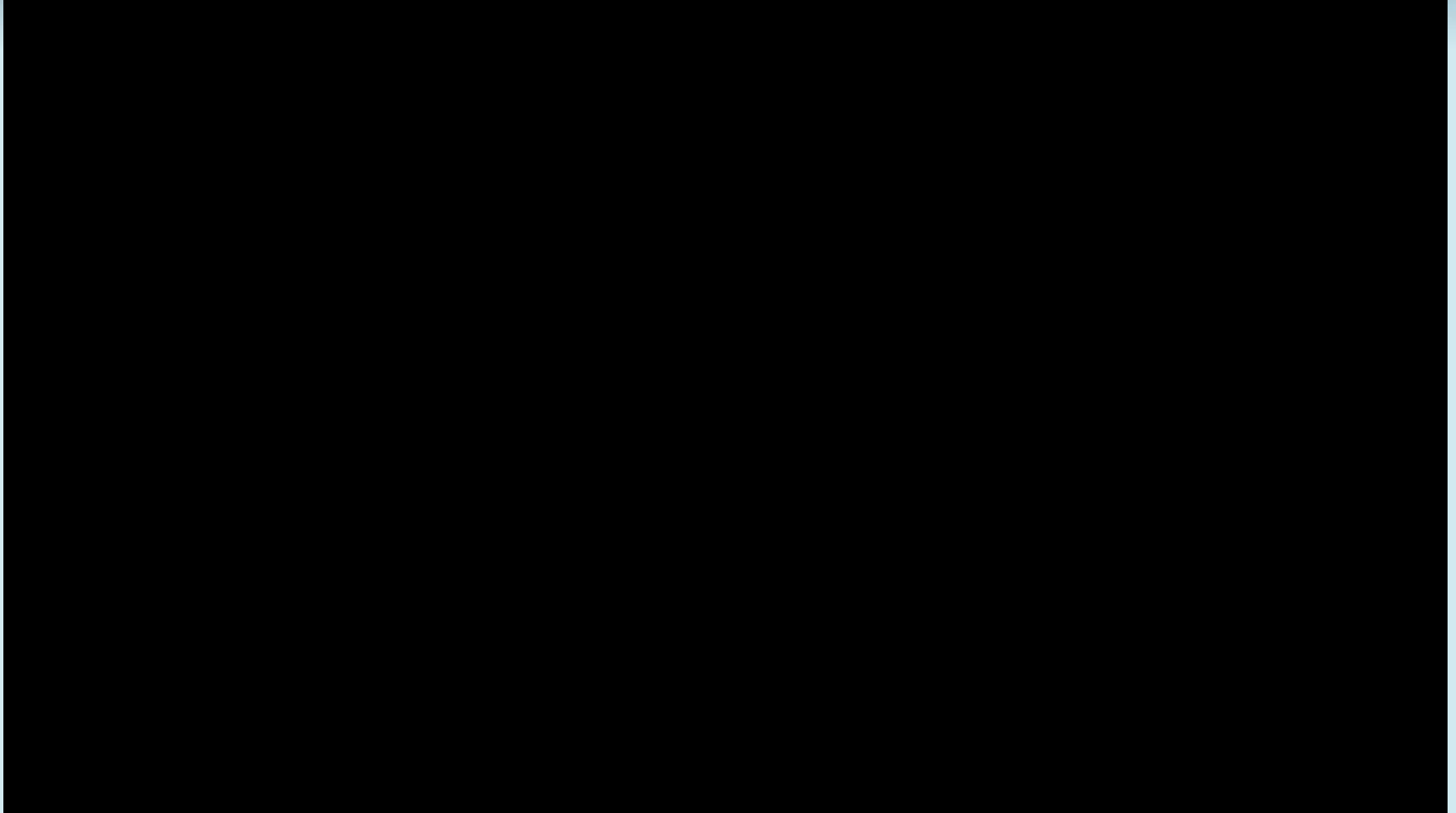


Attention training: *Target*

Reduce stimulus bound behavior: *Mosquito Splat*



Attention training



Motivation



Internet Platform

The screenshot shows the eElderly website (www.e123.hk) displayed in a Windows Internet Explorer browser. The website features a green and white color scheme with a logo of a stylized green plant. The main navigation bar includes links for '登入' (Login), '智能咭登入' (Smart Card Login), '首次登記' (First Registration), '小幫手' (Help), and '忘記密碼' (Forgot Password). There are also buttons for '設定為首頁' (Set as Home Page), 'ENG', and '簡' (Simple). The browser's address bar shows the URL 'http://e123.hk/CareGiver/landing/234'. The website content is organized into several sections: a top navigation bar with '照顧技巧' (Care Techniques), '護老者支援' (Caregiver Support), '長者服務' (Elderly Services), '長者常見疾病' (Common Elderly Diseases), '長者新聞' (Elderly News), '常見照顧疑問' (Common Care Questions), '休閒閣' (Leisure Room), and '長青相簿' (Elderly Photo Album). The main content area includes a '日常照顧技巧' (Daily Care Techniques) section with a sub-section for '藥物資訊' (Medication Information) and a '常見照顧疑問' (Common Care Questions) section. There is also a '護老者專用清單' (Caregiver Checklist) and a '藥物資訊速遞' (Medication Information Delivery) section. The browser's taskbar at the bottom shows several open applications, including '開始' (Start), '更新Ch102(完)...', 'ha webmail - 雅...', '護老者專頁: ...', and 'Microsoft PowerP...'. The system tray shows the date '11-08-17' and the time '11:53'.

長青網 eElderly
www.e123.hk
護老者專頁

字體 小 中 大
八月廿一日 九月18日
意見收集 個人助理
登入

照顧技巧 護老者支援 長者服務 長者常見疾病 長者新聞 常見照顧疑問 休閒閣 長青相簿

主頁

- 藥物資訊
- 日常照顧技巧
- 照顧老年痴呆症患者
- 照顧中風患者
- 輔助器材
- 討論區(即將推出)

日常照顧技巧
2011-06-15
安全扶抱及轉移技巧要訣
家居安全對每一個人都非常重要。由於老年癡呆症患者的體力及感官能力會有或...

常見照顧疑問
提供不同的實況虛境，讓你快速地得到最實用的資訊。

護老者專用清單

引領您思考長者生活上各種需要，助您為至愛提供最周全的照顧。

藥物資訊速遞 更多

11-08-17 請飲而棄紙回收

Internet Platform

長青護老頻道-
協助坐便椅的長者到廁所如廁
(由一人協助)

Robotic Pet - Paro



