Using Dragon Medical Voice-to-Text Software for Cytology Reporting in Cerner Millennium
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**Problem**
- EHRs are not well designed for ease of use for CTs
- Staff enter thousands of reports manually
- Dragon reduces risk of DE errors, RSI and time taken

### Results

<table>
<thead>
<tr>
<th></th>
<th>Manual</th>
<th>Cerner Shortcuts</th>
<th>Dragon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typed characters</td>
<td>142</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Keystrokes</td>
<td>8</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>Mouse clicks</td>
<td>13</td>
<td>13</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>163</td>
<td>21</td>
<td>0</td>
</tr>
<tr>
<td>Time</td>
<td>More than 30 seconds</td>
<td>From 30 seconds</td>
<td>20 seconds</td>
</tr>
</tbody>
</table>

**Considerations**
- All EHRs are different
- Minimum PC specification
- All users need to sign up
- Dragon Professional is much cheaper than ‘Medical’ editions

**Conclusion**
- Dragon Advanced Scripts can speed up Cytology reporting and reduce keyboard use

**Advanced Dragon Scripting Components**
- Type text: SendKeys “Type this text”
- Mouse click: ClickLeft (x,y)
- Enter time and date: SendKeys Format (Now, "h:mm:ss AM/PM dddd mmmm d yyy")
- Use Keystrokes to move cursor: SendSystemKeys "{Ctrl+Home}"
- Give instructions: MsgBox “Follow these instructions”
- Script can be triggered by voice or keystroke

**Further information**
- Video demo of this script: email me cclelland@sidra.org
- Dragon / Nuance software: www.KnowBrainer.com

**Disclaimer**
No financial interest to declare