Our successes, our challenges, and our plans for the future

2017 Retreat presentation part II
Zu-hua Gao
Our successes

Those were actually our previous challenges
Our Challenges

- The move......oh my god, such a big job
Telepathology station
Our successes

• The move

• Thanks to the team, we did it seamlessly!
Our Challenges

• The move......oh my god, such a big job
• Specimen grossing standardization.....no no no, this is not possible
Our successes

• The move
• The grossing template
Our Challenges

• The move......oh my god, such a big job
• Specimen grossing standardization.....no no no no, this is not possible
• We are going to lose our molecular pathology lab....
The Miseq platform
Our successes

• The move
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• The molecular pathology
Our Challenges

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• CGH, it is only a dream. How many versions of proposal our cytogenetics group have done? No where we can find 250K for the machine and the maintenance not to mention....
The CGH platform
Our successes

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• The molecular pathology
• The CGH platform
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• Synoptic reporting. It takes forever to even put the right template of the 4 cancers into Cerner....
Synoptic reporting
Synoptic reporting: April 1st to June 30, 2016

<table>
<thead>
<tr>
<th>Tissue/Region</th>
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<tr>
<td>APPENDIX, NOS</td>
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<tr>
<td>BLADDER, NOS</td>
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<tr>
<td>BONE &amp; CART</td>
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</tr>
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<td>BRAIN</td>
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<tr>
<td>BREAST, NOS</td>
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<td>ESOPHAGUS, NOS</td>
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<td>GALLBLADDER</td>
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<tr>
<td>INTRAHEPATIC BD</td>
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<td>VULVA, NOS</td>
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</table>

Total: 26 cases, 428 reported
Our successes

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• The molecular pathology
• The CGH platform
• Synoptic reporting
Our Challenges

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• Theoretically we should produce regular QA reports, so that we know where are the deficiencies, but .....
Quality assurance

B. Accident and Incident Reporting

The department has worked closely with Risk Management for several years to improve incident reporting in the lab. All incidents and accidents are reviewed and analyzed by the Quality Improvement Committee. Dr. Blumenkrantz contacts Risk Management directly about all accidents with significant implications for patient care or healthcare delivery.

Table 4: Incidents and Accidents, 2015 vs 2014

<table>
<thead>
<tr>
<th>Category</th>
<th>2015</th>
<th>2014</th>
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<tbody>
<tr>
<td>Incident</td>
<td>57</td>
<td>23</td>
</tr>
<tr>
<td>Accident</td>
<td>28</td>
<td>35</td>
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<tr>
<td>Severely Undetermined</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td>58</td>
</tr>
</tbody>
</table>

Table 5: 2015 Incidents and Accidents Categorized by Severity Score
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- Can we take more cytology cases from JGH (than expected without budget) and yet continue be efficient?
Cytopathology

- Rapid on site evaluation (ROSE)
  - for EBUS-FNA
  - For EUS-FNA
- Closer relationship with respirologists and gastroenterologists
- Absorbed pap smears from JGH
- Balanced budget with savings
Our successes

• The move
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• QA reports
• Cytology service
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- Given the limited resources, we were struggling in providing an efficient high quality IHC service
Immunohistochemistry Lab.

- Eliminated negative controls
- Consolidated 2 IHC labs
- Updated antibody menu
- Re-evaluated 200 antibodies
- New tests: automated in situ for EBV, light chains
- **First time** at MUHC use Alcohol fixed cytology specimen
- **First time** at MUHC validated 23 IHC tests in decalcified specimens
- Replaced some old tests with newer tests (Ex NSE for SMI-32)
- **24 hours TAT!**
Our successes

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• The CGH platform
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• QA reports
• Cytology service
• Immunohistochemistry
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- Four previous residents were offered a job at MUHC and were sent for fellowship paid by MUHC, yet decided not to come back. It takes forever to recruit somebody....
Recruitment

• Sophie Camilleri-Broët
• Oluyomi Ajise
• Badia Issa-Chergui
• Jason Karamchandani
• Tuyet Nhung Ton Nu
• Pierre Fiset
• May Chergui

Myriam Chevraie-Davis wants to come back!
Our successes

- The move
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- The molecular pathology
- The CGH platform
- Synoptic reporting
- QA reports
- Cytology service
- Immunohistochemistry
- Staffing
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• We have to get the DPS, or a psychologist to facilitate our staff meeting, otherwise the meeting can not go on.......
The culture

The collegiality award and innovation award 2015
Our successes

• The move
• The grossing template
• The molecular pathology
• The CGH platform
• Synoptic reporting
• QA reports
• Cytology service
• Immunohistochemistry
• Staffing
• Culture change
Thank you for your advise, your contribution and your support! Together we did it!
Challenges

• Budget cut
• No electronic order entry
• No bar coding
• Optilab
• Time for doing more QA
• Time for doing academic work
• And?????????? You opinion please

*Today’s challenges will be tomorrow’s success!*
Our plan

• Implement the voice recognition
• Seek new technology: React
• Continue improve efficiency
• CAP accreditation
• And......your suggestions please!
Voice recognition
I wish I had recorded the conversation

- Beginning: Gao, you should apply for the Toronto Job....
- Later: Gao, you got a great team here....
- And
- Later: Gao, remember, there is only one McGill in the world.....