

July 28, 2005  
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Dr Pat Rock . Ventana Medical Systems, Arizona

520 -360 -6651

- update him on our situation with % notes
- formerly director of immunohistochemistry at Mayo Clinic, 1991 → 2002
- ran 80 to 85% positivity rates at ER & PR. began reporting as positive or negative, cut point was 5% of positive cells
- States that "Ventana should have similar sensitivities with other systems

Factors that alter sensitivities are

- 1) Ab sensitivity and specificity
- 2) Antigen retrieval
- 3) Temperatures etc

Ventana uses 6F11 Ab

Dako uses IDS

- had experienced a problem with the air pump on Dako machine <sup>which at Mayo</sup>
- should have used the Envision plus detection (which Terry confirms ~~was~~ we did)
- I asked him how we could explain our increase in % notes. Rock was quiet until I suggested the system provides more standardization in performing the procedure, with minimal human variability. Rock replied that could be a major factor.
- Rock willing to talk to ~~me~~ us again

Norman Pettigrew, Winnipeg Director of Immunology. (Spoke to Terry following the conversation)  
204-787-2298.

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director of immunohistochemistry

- Dr Norman Pettigrew - Surgical Pathologist, HSC Winnipeg 204-787-2298  
207-787-2298.
- have used Dako open system with boiling method over last 7 years
  - increasingly numerous ER & PR (Merck) on an old ~~Ventana~~ Ventana machine - has good correlation between Dako and Ventana machines
  - has off hand 60-70% positivity rates with increasingly higher numbers of PR's positive
  - has run neg, weak, and strong positive controls over the last 2 years
  - had noticed at one time +ve control and negative staining on the test stream with the Ventana as it did not have good meterized delivery of reagents.
  - Not aware of any ~~positive~~ negative ER & PR's converting to positive
  - ~~is~~ to a bit concerned about my high rate of 89% positivity for the year 2004-2005
  - Stated that Ventana were going to do a review of their ER & PR's, but board withdrew funding.
  - % positive could vary with type of breast population
  - Agreed with me as "No standardization of immunohistochemistry in North America"

← good information source.

\* Mr Lath Dabragah.

Supervisor, Immunohistochemistry

① Cross Cancer Institute, Edmonton.  
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- has noticed an odd conversion from -ve ER to +ve (evasive) on the
- has noticed conversions from Needle core to mastectomy following treatment (acceptable)
- Bought in Ventana automated method March 2004, has noted ↑ sensitivities particularly for CRB2. (Her2-Neu)  
Very high rate of false positives for this test from 3+1's  
Jan to June 2005. He diluted Antibodies solution

- will get back to me regarding his ER & PR +ve rates before and after Ventana
- states that since 1994 → ER's num on Ventana  
→ PR's num on Dako.

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Spoke to Dan Fontana to begin  
Negative controls for ER and PR.