



OMEC COLORECTAL CANCER SCREENING COMMITTEE MEETING

Saturday, May 30, DDW Chicago, 2009

Presenter: N. Arber


**Increase CD24 protein in PBL
can detect subject with
colorectal neoplasia**

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**Low Public Compliance for CRC
Screening**

Colon Exam →



Adapted from Jack Tippit, Saturday Evening Post

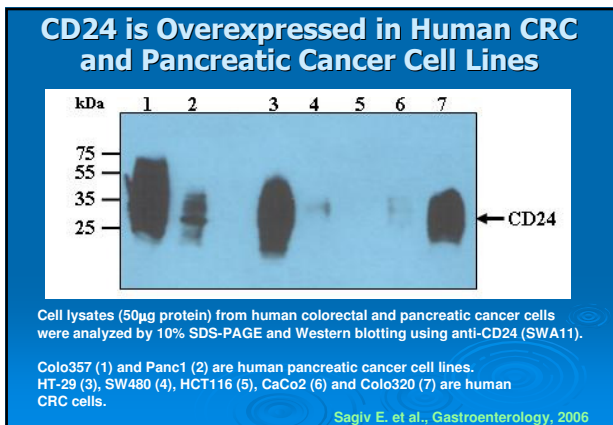
Early Detection of Colorectal Cancer

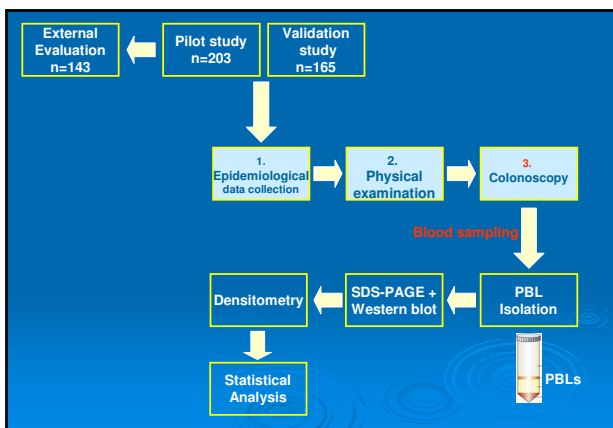
**A noninvasive biomarker for the
early detection of CRC remains
a high priority**

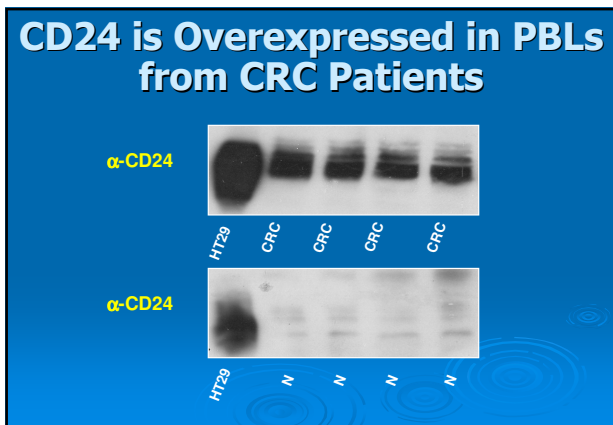
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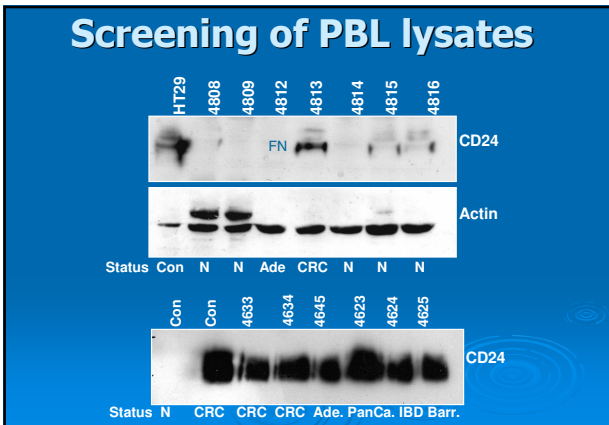
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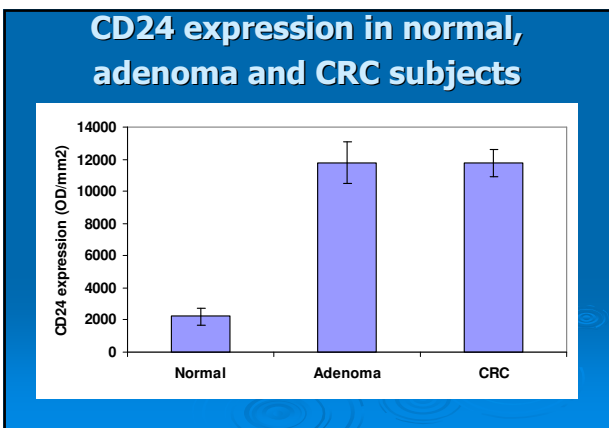
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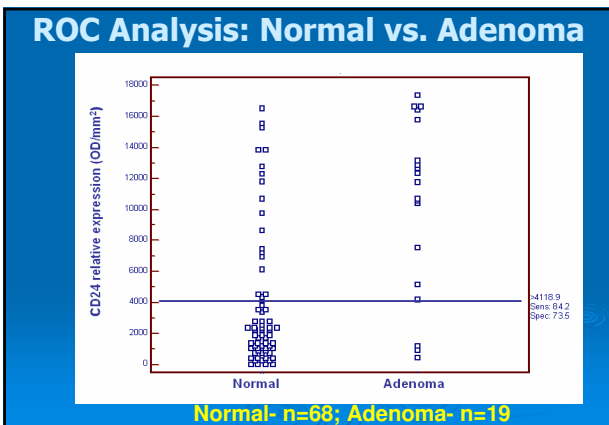








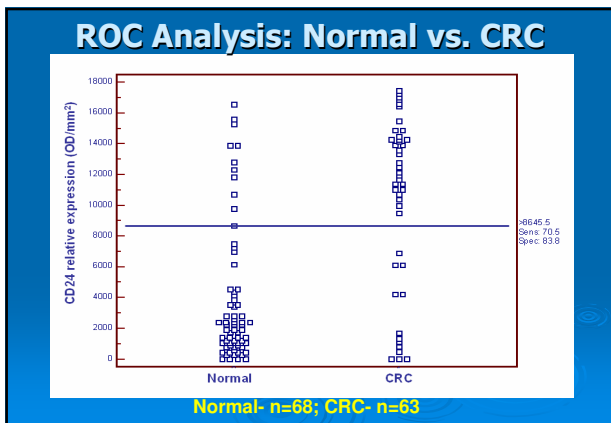




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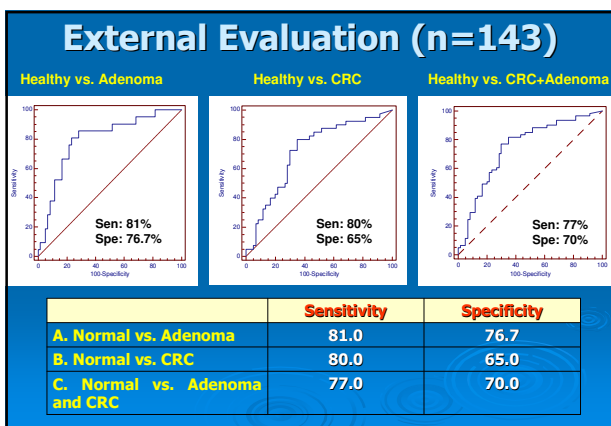
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Summary of Results in Pilot study

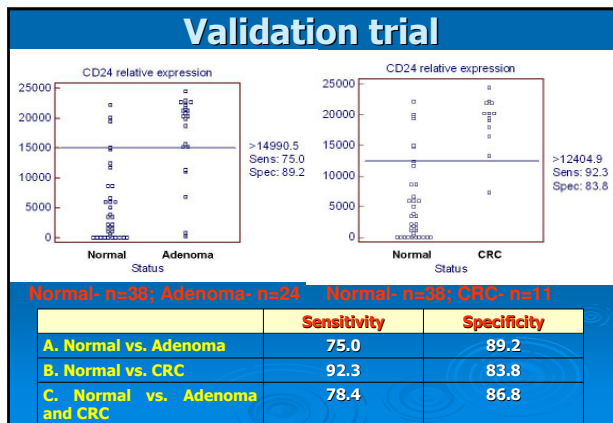
	Sensitivity	Specificity
A. Normal vs. Adenoma	84.2	73.5
B. Normal vs. CRC	70.5	83.3
C. Normal vs. Adenoma and CRC	82.5	73.5

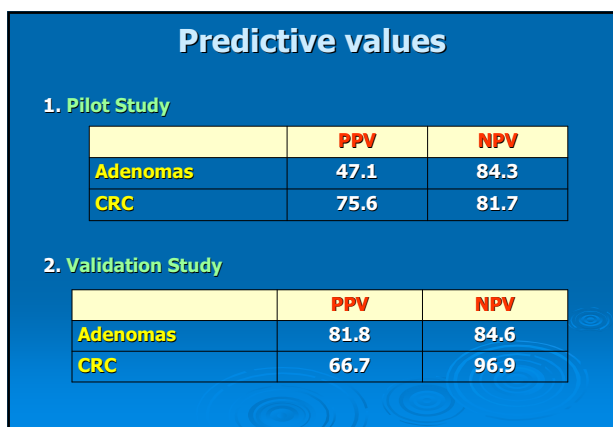


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Conclusions

- >CD24 is elevated in the majority of CRC cases and adenomas
- > A simple blood test measuring the level of CD24 protein in peripheral blood lymphocytes can successfully distinguish healthy subjects from patients with colorectal neoplasia
- >CD24 may serve as good surveillance marker of CR neoplasia
- > CD24 may also serve as a marker for early detection and surveillance of other tumors

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