

Images of exfoliated cells collected from the surface of the human rectal mucosa.

Photographs prepared by Dr. Tatiana Bandaletova
(Head of Pathology – Colonix Medical Limited)

Does non-invasive 'biopsy' exist?

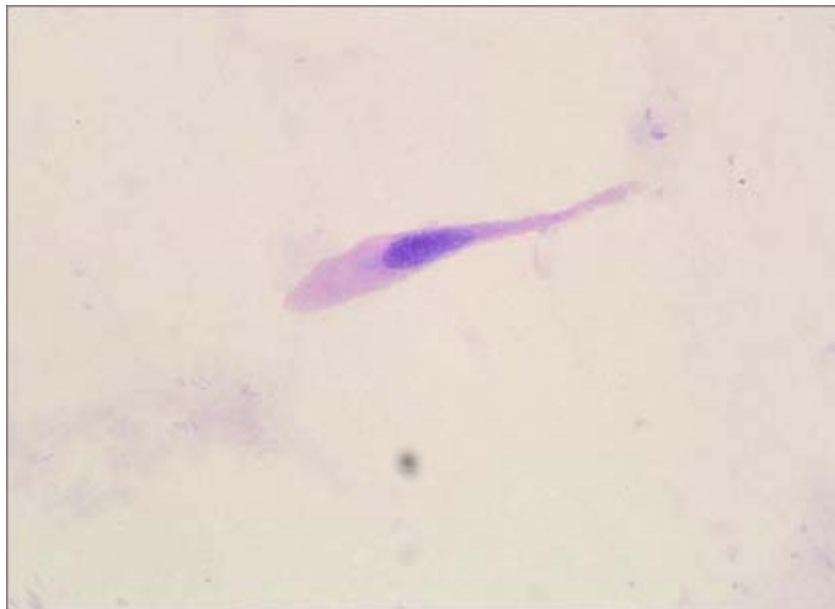
A picture is worth a thousand words...

Colonix Medical Limited, have for a number of years been researching and refining a new methodology to help collect, preserve and analyse exfoliated cells collected from the surface of the human rectal mucosa.

All of the images below are of cells that have been collected using the unique Colonix cell collection procedure. The cells have been collected from participants of our ongoing clinical studies.

For more information regarding these images or indeed Colonix Medical Limited and its cell collection systems, please contact us using the information contained in the 'People & Places' page of this site.

Image 1 Single colonocyte (*print-smear*)



Groups of colonocytes (*print-smears*)

Image 2 Small Cell Cluster

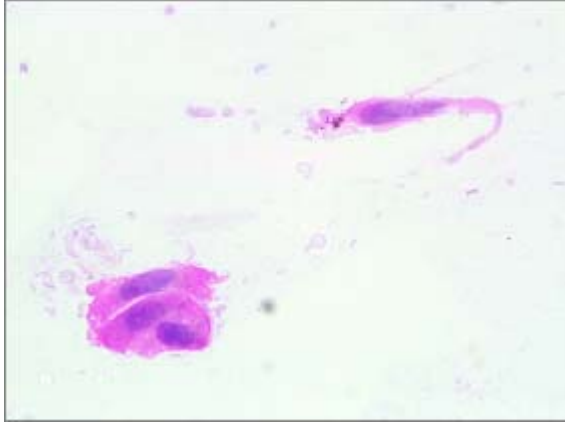
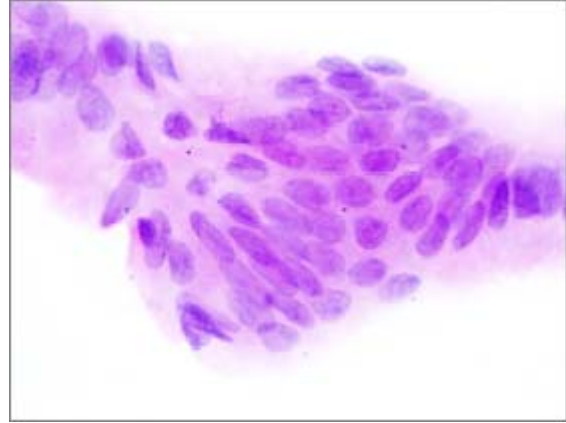


Image 3 Large Cell Cluster



Fragments of mucosa (*print-smears*)

Image 4 A fragment of the colonic crypt

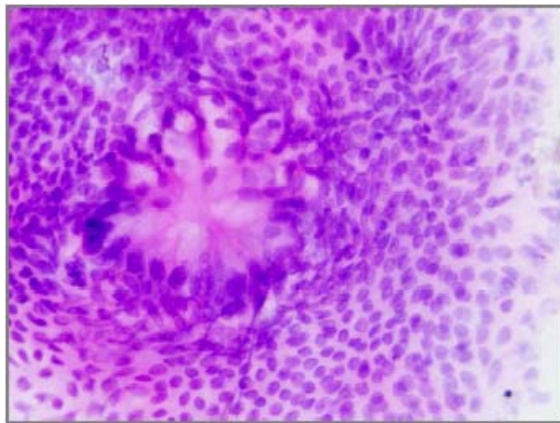
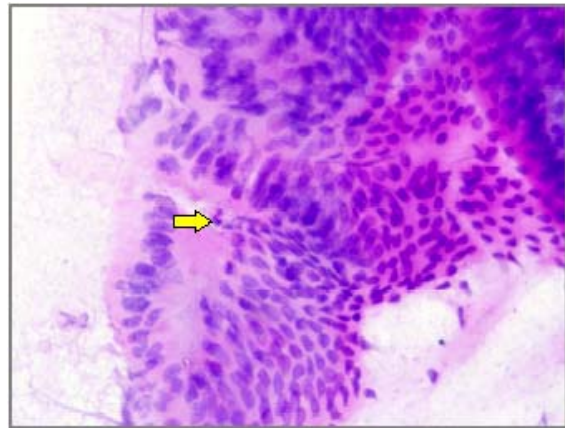


Image 5 An eosinophil inside the crypt



Non-epithelial cells of mucocellular layer (*print-smears*)

Image 6 Colonocytes surrounded by
Elements of blood

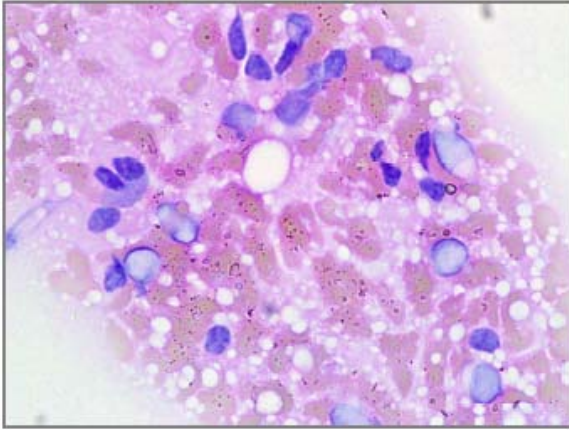
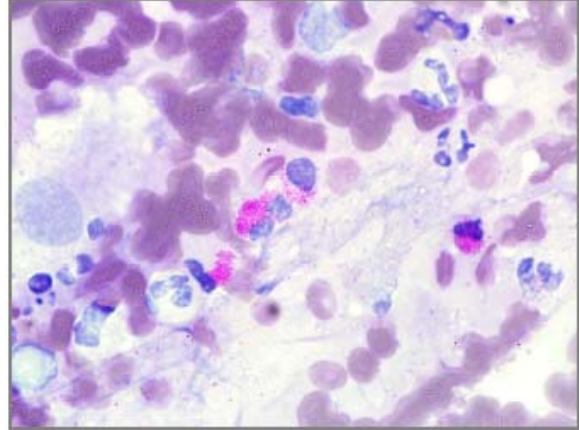


Image 7 Neutrophils and eosinophils

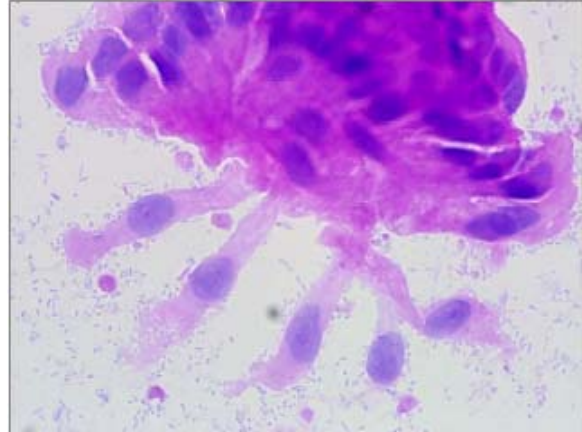


After the cell isolation procedure

Image 8 Single colonocytes

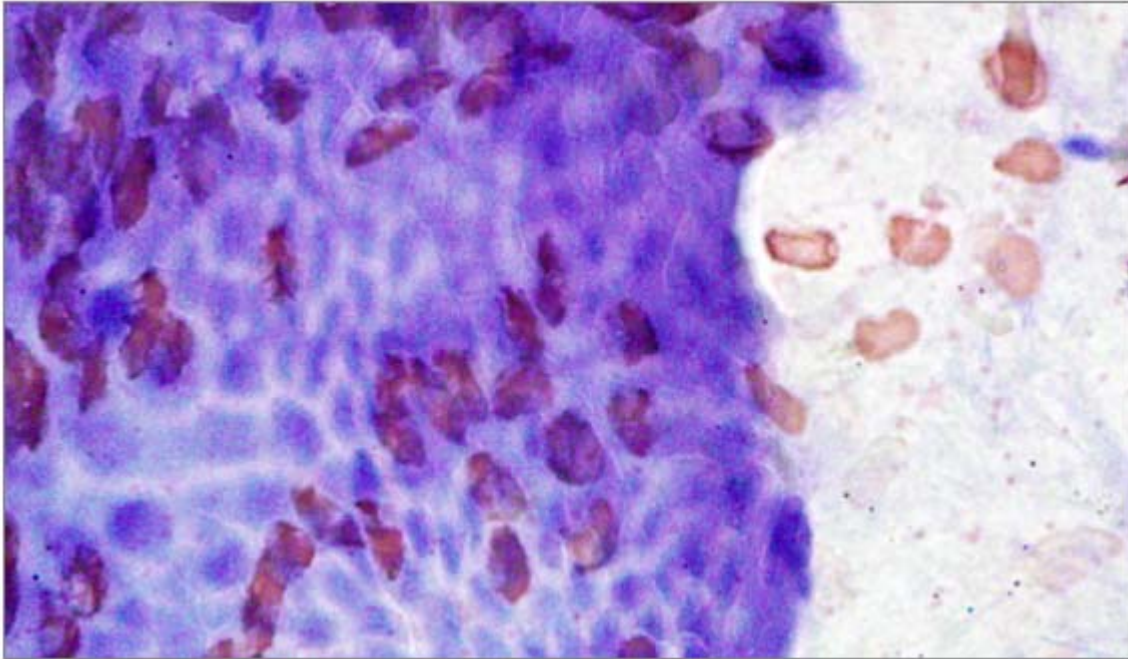


Image 5 Colonocyte groups



Histochemistry

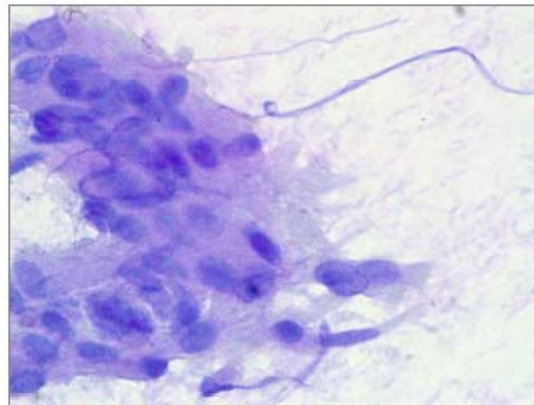
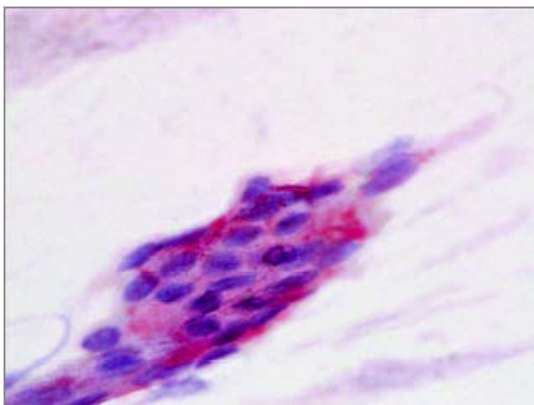
Image 10 Peroxidase activity in blood cells



The Use of collected material for immunohistochemistry

with **Image 11** CK20 positive colonocytes

Image 12 Colonocytes after incubation
BSA1% (negative control)



Diagnostic applications:

Image 13 Ulcerative colitis

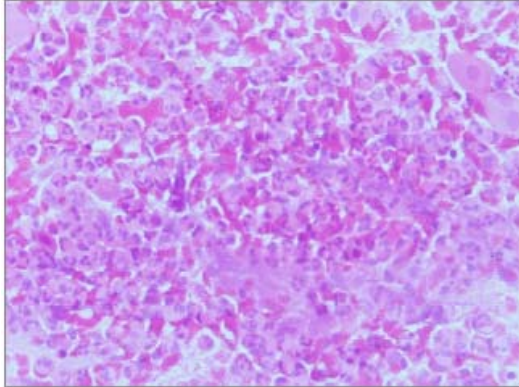
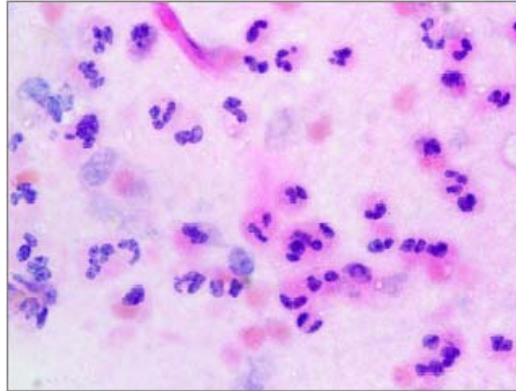


Image 14 Inflammatory exudates



Diagnostic applications:

Image 15 Crohn's disease?

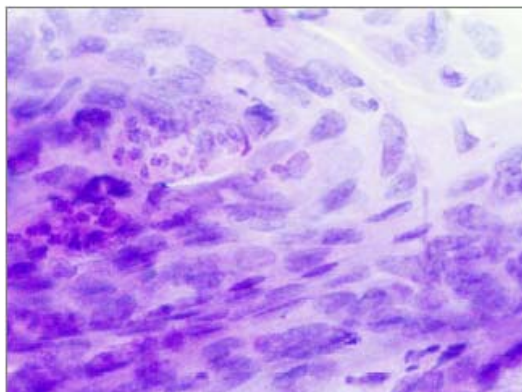
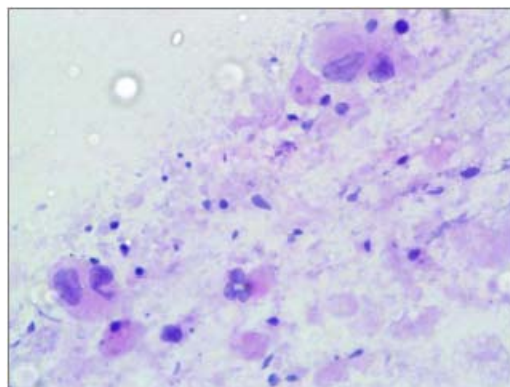


Image 16 Cancer?



Diagnostic applications:

Image 17 Massive apoptosis (cancer)

