

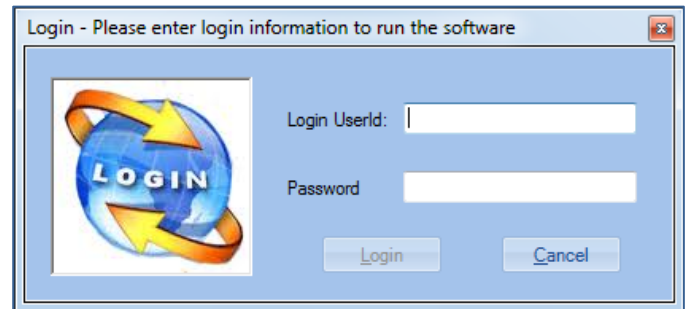
ColpoITPro - Colposcopy Imaging Software specification:

The main features of 'ColpoITPro – Colposcopy Imaging Software' are:

- ✓ Very user friendly with MS Word like Ribbon UI. No learning needed.
- ✓ Available in Multi languages - *English, Español, Pycckuy, Português, Français, Deutsch, Italiano and Türkçe.*
- ✓ User Login screen to allow access only to authenticated users.
- ✓ Inbuilt Patient-Visit-Image management feature. Multiple visits per patient allowed.
- ✓ Works with all types of capture devices and interfaces with many non-DICOM and DICOM modalities.
- ✓ Save images in BMP/JPEG/DICOM format during preview/record/playback mode.
- ✓ Report Generation with Reid Index Calculation, Biopsy marking, Standard CIN images library for comparison.
- ✓ Apply Green Filter to images and timer options for Acetic acid- Iodine test.
- ✓ Save reports with images & findings in DICOM format and send to PACS for easy network viewing.
- ✓ Send DICOM images and reports of any modality to PACS/ DICOM server in the network.
- ✓ Receive DICOM images from any modality connected in the network. Useful to combine DICOM and non-DICOM images in the same report.
- ✓ Simple DICOM viewer to view DICOM images and reports.
- ✓ Intelligent quick search patient and export patient list to excel format.
- ✓ Save video in AVI/MPEG/ASF format with excellent video compression.
- ✓ USB/Serial port footswitch support for capture/start/stop action.
- ✓ Audio recording for audio notes dictation.
- ✓ Customizable report templates with images and prefilled text for various medical procedures. Easy to generate reports in seconds and save as PDF/DICOM and other known formats.
- ✓ Report cropping feature saves printer black ink and cuts cost.
- ✓ Word notes feature to provide detailed procedure notes and summary reports.
- ✓ Directly Burn videos/images/DICOM to DVD or CD and provide to patients for viewing.
- ✓ Export data to MS-Paint, Power point, Movie Maker and Adobe PDF Reader.
- ✓ Import and export images/video/DICOM/Report files from USB drive or any external/network storage device.
- ✓ Useful Email feature. No need for outlook. FTP upload -Support for Telemedicine.
- ✓ Archive -Archive patients (to DVD / External HD) as back up to clean storage disk space.
- ✓ Network client-server feature enables clients to connect to a centralized database.
- ✓ Last but not least - Friendly help file and training videos.

User Login Management

- User login facility to access application.
- Add new users with password protection
- Limited patient list viewing based on the logged-in user name.

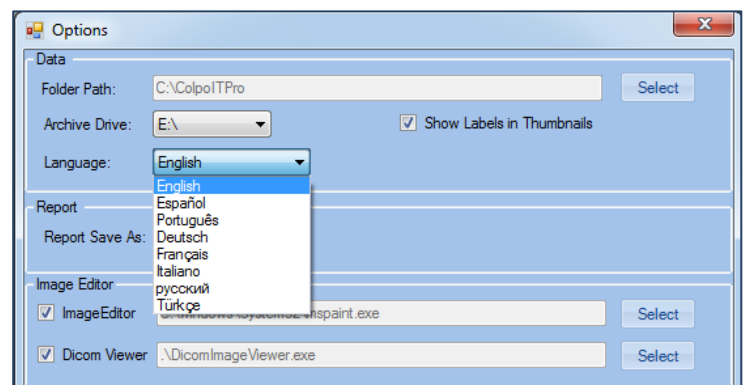


Multilanguage Support

Supports Multiple Languages such as

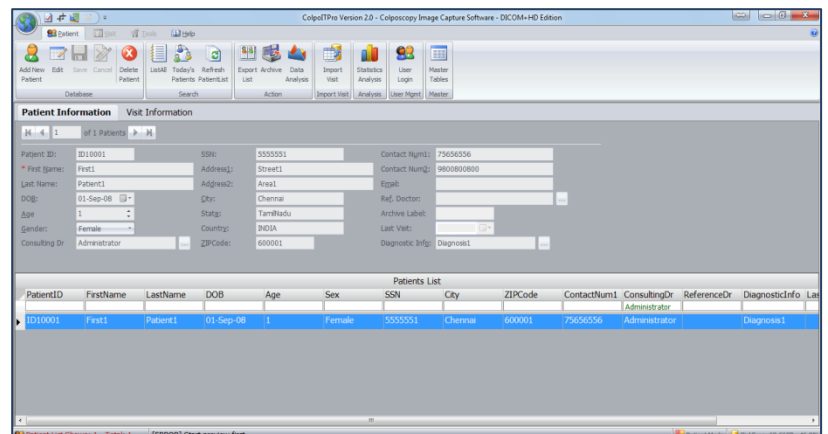
English | Español | Русский | Português

Français | Deutsch | Italiano | Türkçe



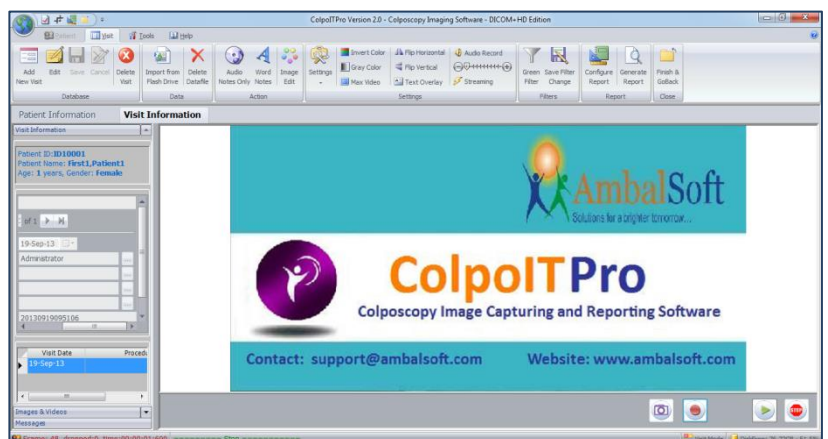
Patient Information:

Patient Information screen provides list of patients in bottom panel and the selected patient's details in the top panel. Add/Edit/Save/Delete patient possible in this window. A unique multi field search feature allows user to search for a particular patient quickly. Archive / Retrieve /Export patient list.



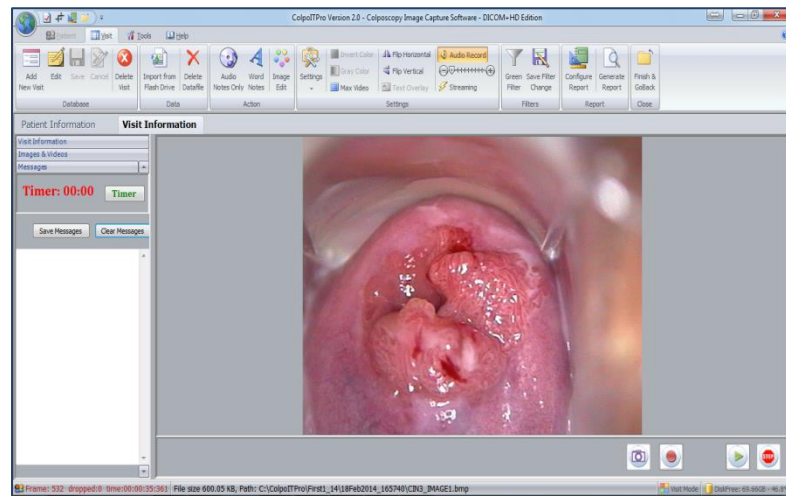
Visit Information:

Visit Information screen provides list of visits for the selected patient and the details of selected visit. Add/Edit/Save/Delete visit possible in this window. For a selected visit, all data (audio/video/images/reports) generated for that visit are shown in thumbnail format.



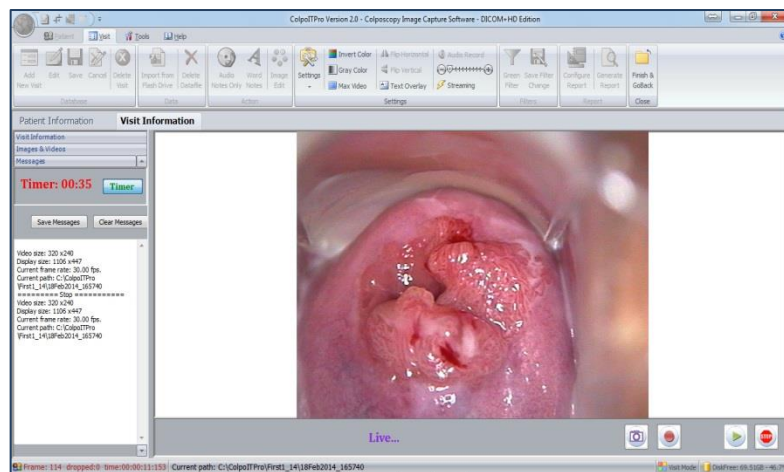
Capture Image:

- Capture image as BMP/JPEG/ DICOM.
- Simultaneous capture image in BMP or JPEG & DICOM format.
- Capture image during preview, recording and playback.
- Store / Retrieve images for later use.
- Foot pedal support for capture.
- Patient name text overlay in image capture.
- Use shortcuts, F10 for full screen view and F5 for image capture.
- Invert colour, Gray scale image display.
- Rotate / Flip preview as needed.



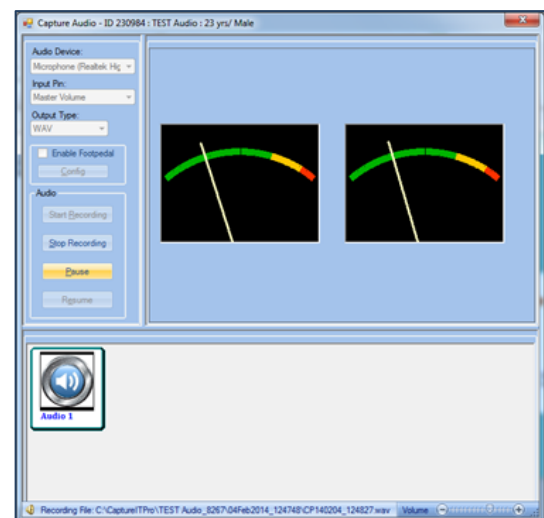
Capture Video:

- Video recording – Start/ pause/ resume/stop functionality.
- AVI/MPEG/WMV9/ASF recording
- High video compression without compromising on video quality. Allows multiple hours recording in single clip.
- Recommended video compressor is “ffdshow”, installed along with setup program.
- Pause/resume during AVI recording as required.
- Foot pedal support for recording.



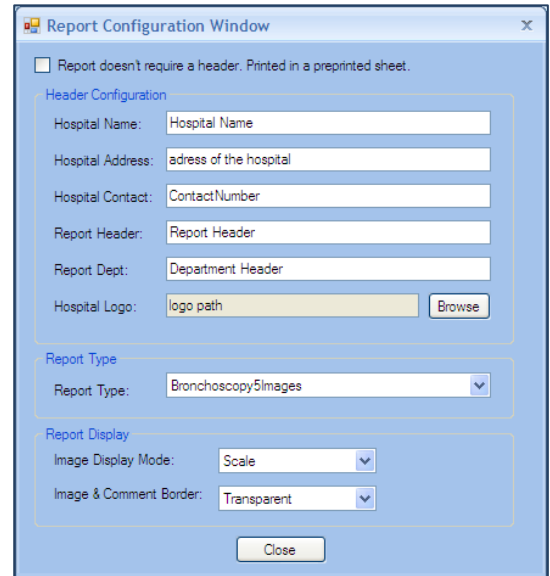
Capture Audio:

- Capture audio from selected audio device to provide voice annotation.
- Capture audio to wave or WMA file format.
- Capture audio from selected audio input pin. For example, Line In, Microphone etc.
- Pause or resume when audio recording.
- Foot pedal support.



Report Generation:

- Generate reports in PDF and DICOM format.
- Create reports as a DICOM image with various resolutions.
- Customized reports – preview and print. New customized reports possible.
- Easy Report header customization with hospital address and logo.
- Select only few images from available list and print. Enter comments for images and save the selected images for reference.
- Select report type and enter custom text for reports with text and images.
- Auto-fill comments and report information.
- Save reports in different formats (PDF, XML, EXCEL, RTF, EMF, TIFF, PNG, JPG, GIF and BMP) and print later.
- One Click – Attach generated report and Email.
- Review generated report using Adobe Reader and DICOM viewer.
- Customized reports – preview and print. New customized reports possible.
- Easy Report header customization with hospital address and logo.
- Select only few images from available list and print. Enter comments for images and save the selected images for reference.
- Reid Index calculation screen.
- Standard CIN images library for comparison.
- Mark biopsy in picture and give print.
- Auto-fill comments and report information.
- Save reports in different formats (PDF, XML, EXCEL, RTF, EMF, TIFF, PNG, JPG, GIF and BMP) and print later.
- One Click – Attach generated report and Email.
- Review generated report using Adobe Reader.



Report Configuration Window

Report doesn't require a header. Printed in a preprinted sheet.

Header Configuration

Hospital Name:

Hospital Address:

Hospital Contact:

Report Header:

Report Dept:

Hospital Logo:

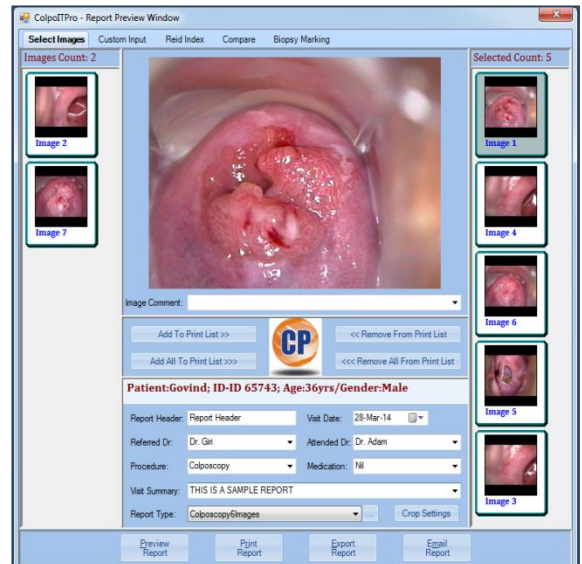
Report Type

Report Type:

Report Display

Image Display Mode:

Image & Comment Border:



ColpoTPro - Report Preview Window

Select Images Custom Input Reid Index Compare Biopsy Marking

Images Count: 2 Selected Count: 5

Image Comment:

Patient:Govind; ID-ID 65743; Age:36yrs/Gender:Male

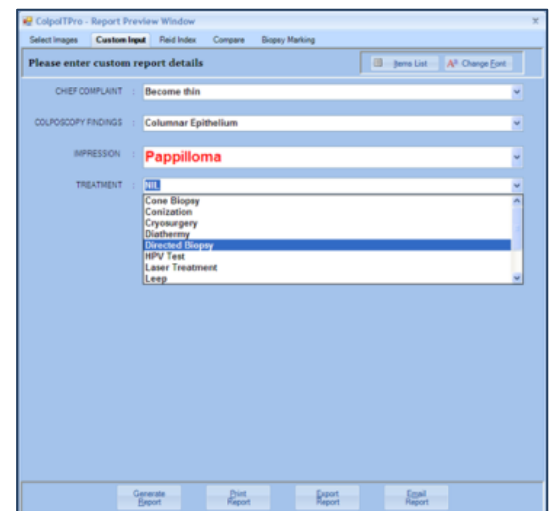
Report Header: Visit Date:

Referred Dr: Attended Dr:

Procedure: Medication:

Visit Summary:

Report Type:



ColpoTPro - Report Preview Window

Select Images Custom Input Reid Index Compare Biopsy Marking

Please enter custom report details

CHIEF COMPLAINT:

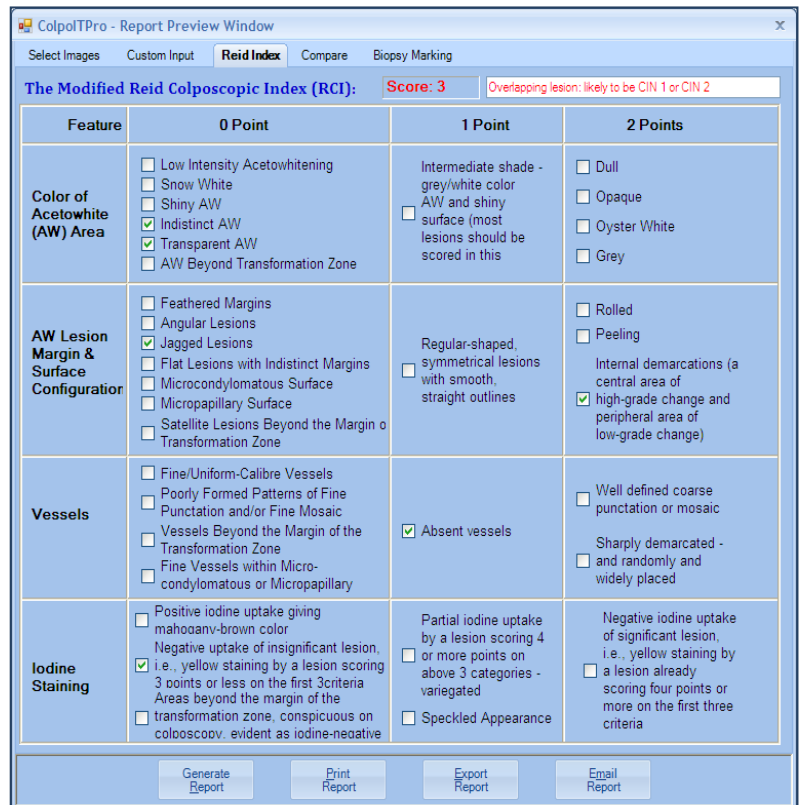
COLPOSCOPY FINDINGS:

IMPRESSION:

TREATMENT:

Reid Index:

Reid's Colposcopic Index (RCI) is a systematic, objective method of colposcopically grading the severity of premalignant cervical lesions. Use of RCI helps direct the clinician to perform a biopsy of the most significant abnormal cervical lesions and enhances the formulation of the colposcopic impression. Modified Reid Index (RCI) is the most excellent feature here.



ColpoITPro - Report Preview Window

Select Images Custom Input **Reid Index** Compare Biopsy Marking

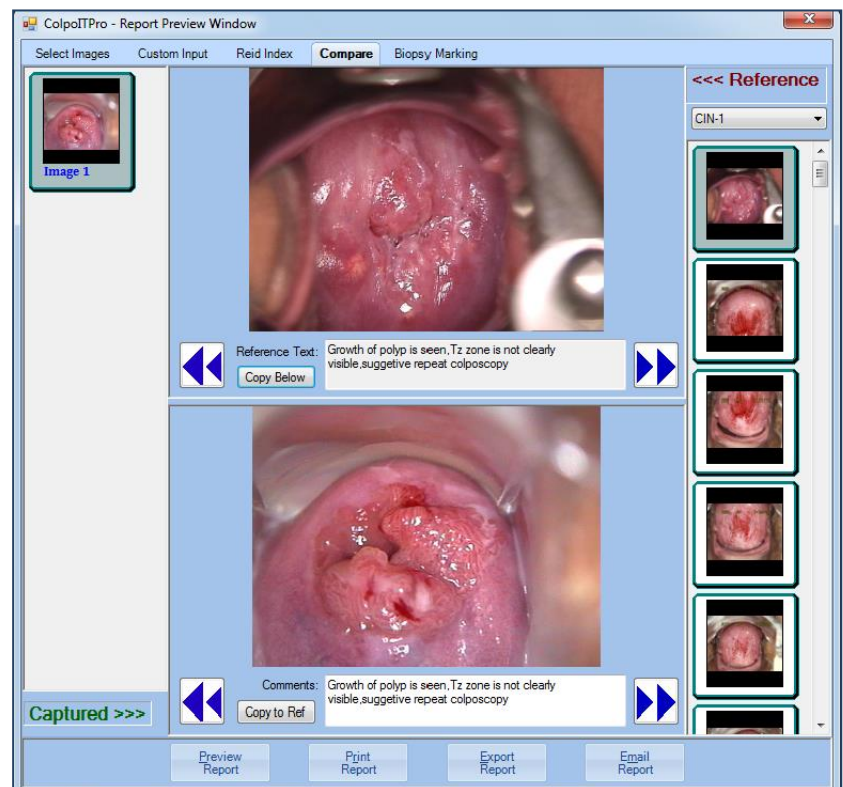
The Modified Reid Colposcopic Index (RCI): **Score: 3** Overlapping lesion: likely to be CIN 1 or CIN 2

Feature	0 Point	1 Point	2 Points
Color of Acetowhite (AW) Area	<input type="checkbox"/> Low Intensity Acetowhening <input type="checkbox"/> Snow White <input type="checkbox"/> Shiny AW <input checked="" type="checkbox"/> Indistinct AW <input checked="" type="checkbox"/> Transparent AW <input type="checkbox"/> AW Beyond Transformation Zone	Intermediate shade - grey/white color AW and shiny surface (most lesions should be scored in this)	<input type="checkbox"/> Dull <input type="checkbox"/> Opaque <input type="checkbox"/> Oyster White <input type="checkbox"/> Grey
AW Lesion Margin & Surface Configuration	<input type="checkbox"/> Feathered Margins <input type="checkbox"/> Angular Lesions <input checked="" type="checkbox"/> Jagged Lesions <input type="checkbox"/> Flat Lesions with Indistinct Margins <input type="checkbox"/> Microcondylomatous Surface <input type="checkbox"/> Micropapillary Surface <input type="checkbox"/> Satellite Lesions Beyond the Margin of Transformation Zone	<input type="checkbox"/> Regular-shaped, symmetrical lesions with smooth, straight outlines	<input type="checkbox"/> Rolled <input type="checkbox"/> Peeling <input checked="" type="checkbox"/> Internal demarcations (a central area of high-grade change and peripheral area of low-grade change)
Vessels	<input type="checkbox"/> Fine/Uniform-Calibre Vessels <input type="checkbox"/> Poorly Formed Patterns of Fine Punctuation and/or Fine Mosaic <input type="checkbox"/> Vessels Beyond the Margin of the Transformation Zone <input type="checkbox"/> Fine Vessels within Microcondylomatous or Micropapillary	<input checked="" type="checkbox"/> Absent vessels	<input type="checkbox"/> Well defined coarse punctuation or mosaic <input type="checkbox"/> Sharply demarcated - and randomly and widely placed
Iodine Staining	<input type="checkbox"/> Positive iodine uptake giving mahogany-brown color <input type="checkbox"/> Negative uptake of insignificant lesion, i.e., yellow staining by a lesion scoring 3 points or less on the first 3 criteria Areas beyond the margin of the transformation zone, conspicuous on coloscopy, evident as iodine-negative	<input type="checkbox"/> Partial iodine uptake by a lesion scoring 4 or more points on above 3 categories - variegated <input type="checkbox"/> Speckled Appearance	<input type="checkbox"/> Negative iodine uptake of significant lesion, i.e., yellow staining by a lesion already scoring four points or more on the first three criteria

Generate Report Print Report Export Report Email Report

Image Comparison:

ColpoITPro has a useful Image comparison feature. It has a wide variety of standard library images related to **Cervical Intraepithelial Neoplasia (CIN)** along with descriptions. Images are categorized by three different stages, (i.e.) CIN-1, CIN-2, and CIN-3. It helps to compare the captured images with these standard library images and extract comments. Captured images can be added to the library for future references.



ColpoITPro - Report Preview Window

Select Images Custom Input Reid Index **Compare** Biopsy Marking

Image 1

Reference
CIN-1

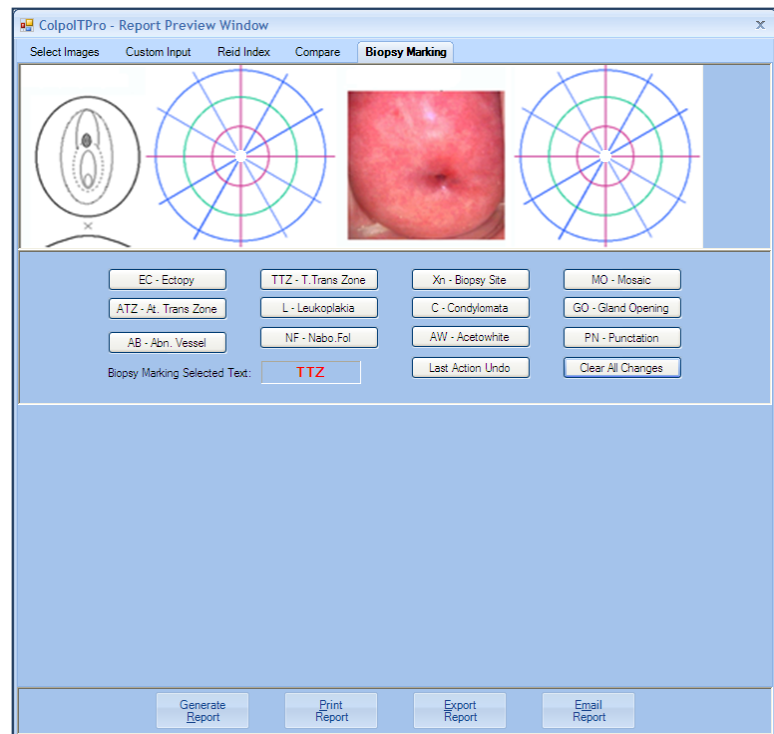
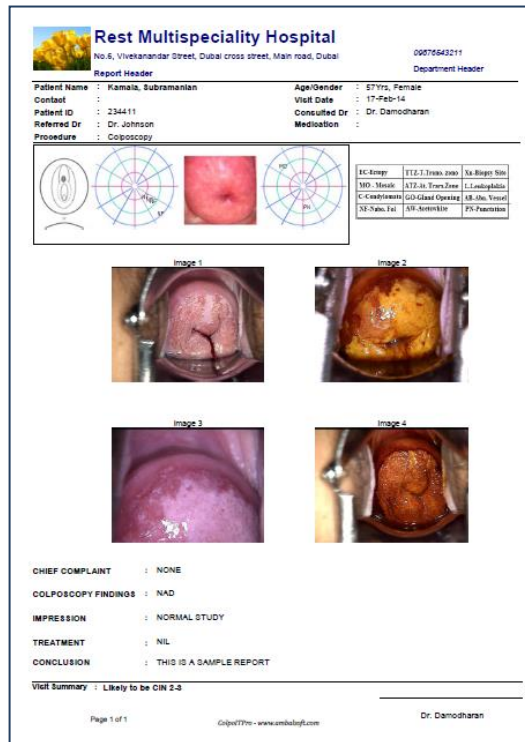
Reference Text: Growth of polyp is seen, Tz zone is not clearly visible, suggestive repeat colposcopy

Comments: Growth of polyp is seen, Tz zone is not clearly visible, suggestive repeat colposcopy

Preview Report Print Report Export Report Email Report

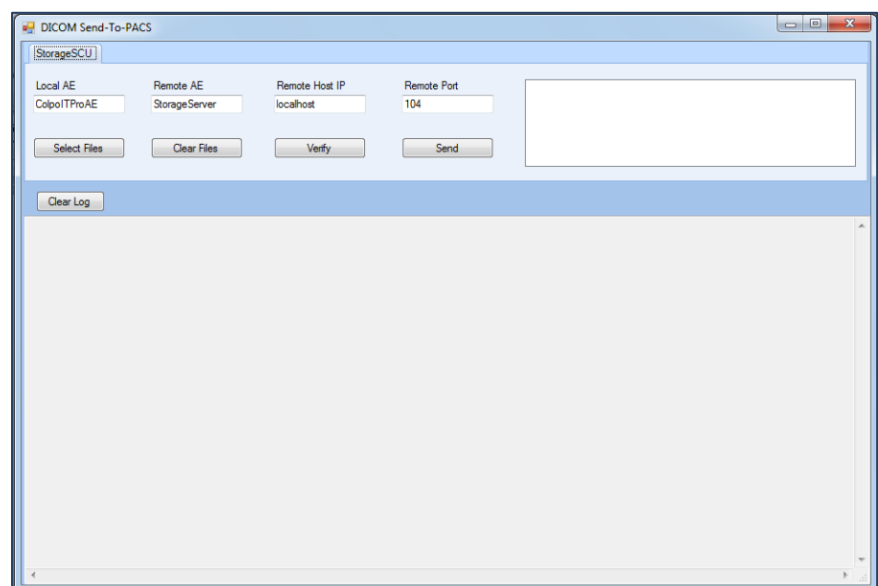
Biopsy Marking:

ColpoITPro has in-built biopsy marking features that helps to mark the biopsy area and other colposcopic impressions in graphical format. The marked graph can be given as printed report and saves the effort of hand drawing.



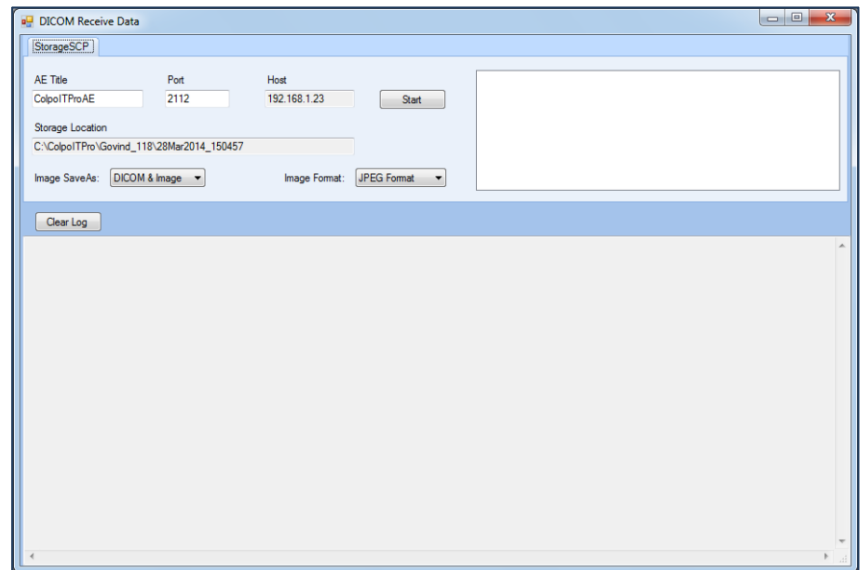
Send DICOM images to PACS

- Send DICOM images to PACS or DICOM server.
- Send DICOM reports to PACS.
- Customizable modality name option for DICOM images.
- Detailed log window to know the status message while sending DICOM images to PACS.



Receive DICOM images

- Receive DICOM images from various modalities.
- Store received DICOM images in the selected patient folder automatically.
- Detailed log window to know the status message while receiving DICOM images from various modalities.



Word Notes

- In-Built Microsoft word option to create word notes for selected patient.
- Retrieve the stored documents for review purpose.
- Store patient's summary in the word note and print

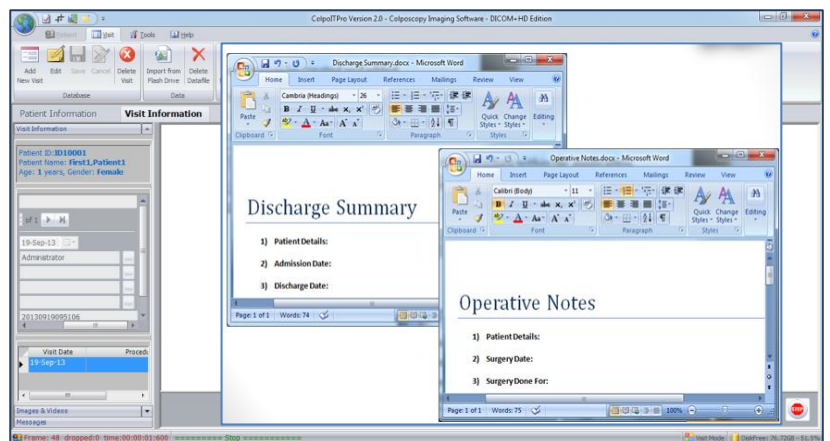


Image Editing:

- Map external image editor like MSPaint with application and edit images using the known tool.
- No need to learn any new image editing tool, use the known comfortable tool as per your choice. Perform all available edit using the editor tool.
- Edited image is available for reports printing, email and FTP upload.

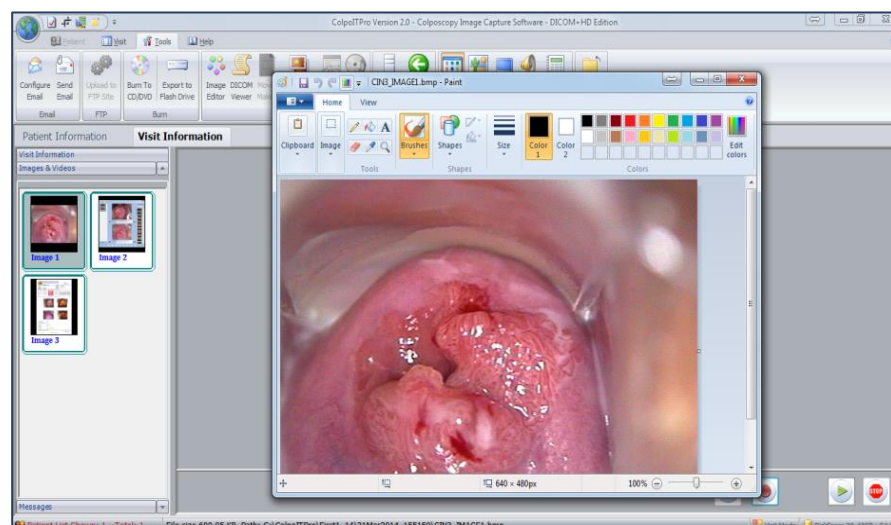
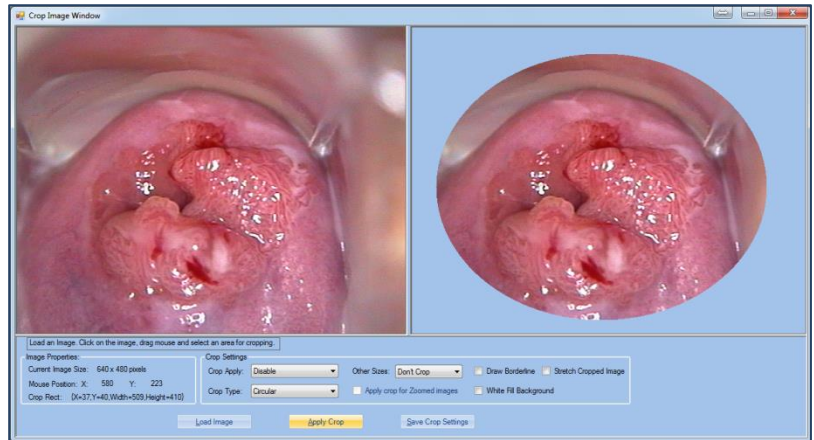


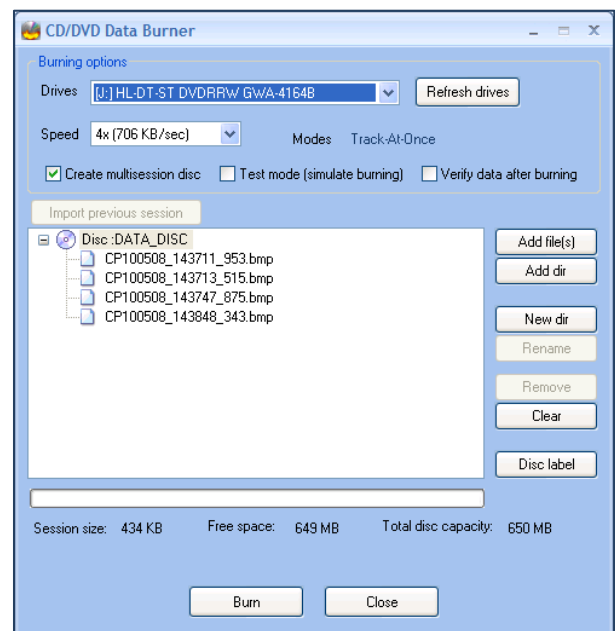
Image Cropping:

- Intelligent Image Cropping feature for remove black area.
- User defined crop area.
- Rectangular or circular cropping.
- Print only cropped area of the image.
- Saves printer cartridge and cuts cost.
- Crop during image capture or during printing.



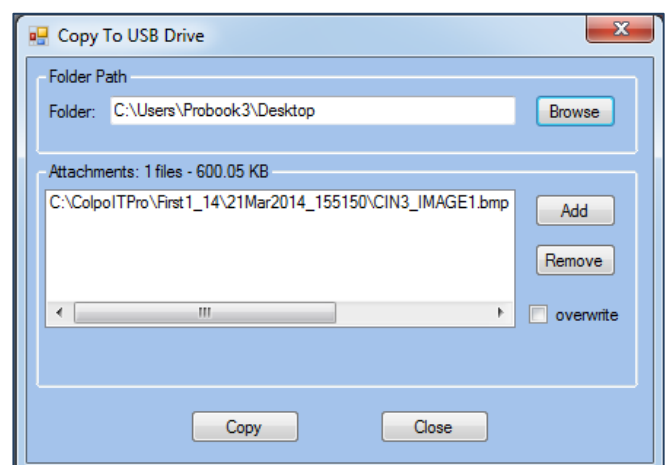
DVD/CD Writing:

- Burn Selected Images/Videos/Report to CD/DVD from the application itself. No need for Roxio or any other 3rd party tools for CD burning.
- Support of high definition media (including Blue-Ray and HD-DVD).
- Multi-session write available to provide reports in same media. Saves cost.
- Add new folder or file to the CD/DVD along with patient data.
- Verify after burning feature checks data validity.



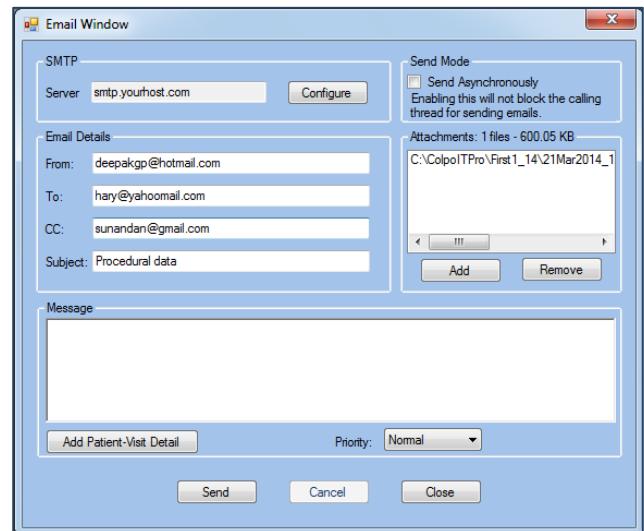
Pen Drive/ Network Copy:

- Copy Selected Images/Videos/Report to Pen drive or Network drive.
- Add new file to the list along with patient data.
- Useful to export data to network drive for sharing with other applications.



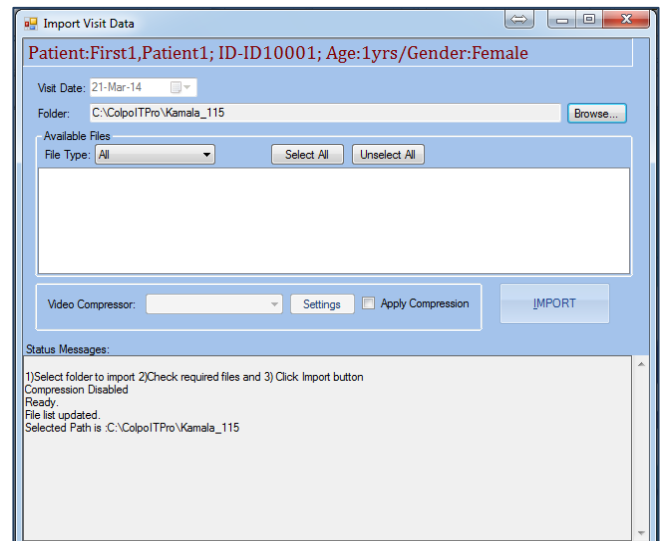
Email Patient Data:

- Email directly from application. No need of Outlook.
- Send patient report, image data, audio or video files via SMTP Email.
- Simple SMTP email configuration.
- Email fields {From, To, CC, Subject, Message, and Priority} available.
- Add patient and visit details to the email message with a single button click.



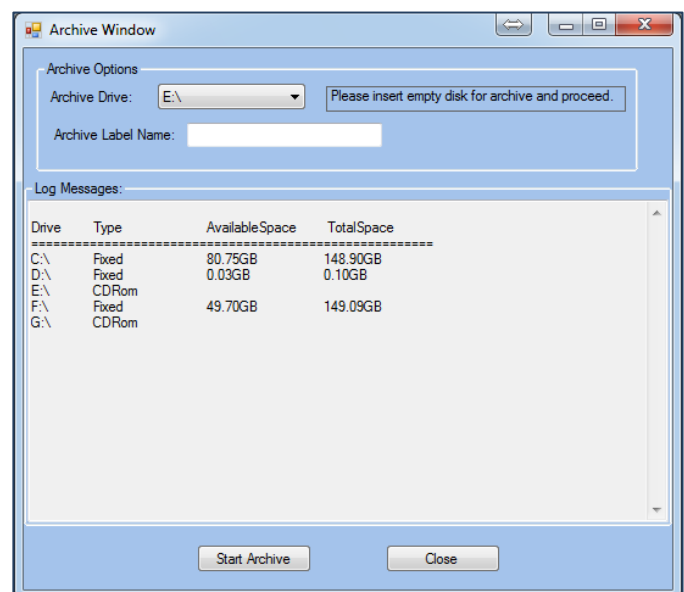
Import Data from External Sources:

- Import Patient visit data or image data from external sources like Pen drive/ Network drive.
- Select audio/video/image/DICOM or All data while importing.
- Apply compression on video data while importing.
- Very useful to consolidate all relevant data in one place.



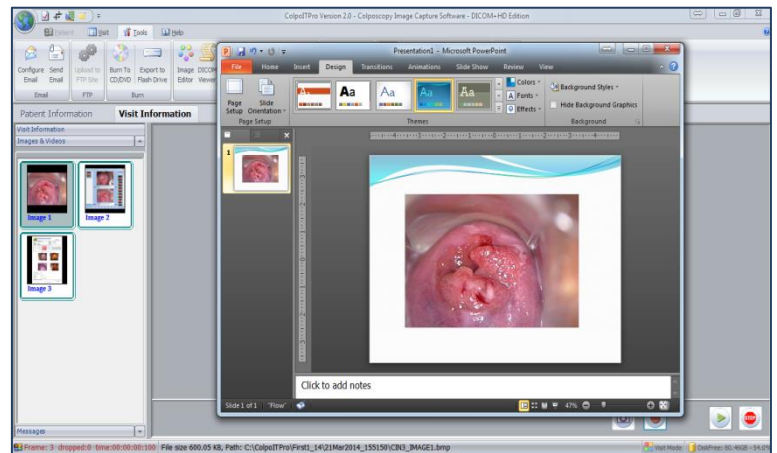
Archive / Retrieve Data:

- Simple and friendly Archive feature.
- Archive data to Network Drive or DVD or Pen drive to free up space.
- Automatically retrieve archived data from the media when needed.
- Label archive media and store it. Insert media with the correct label when asked.
- Very useful to cleanup local drive and increase performance.



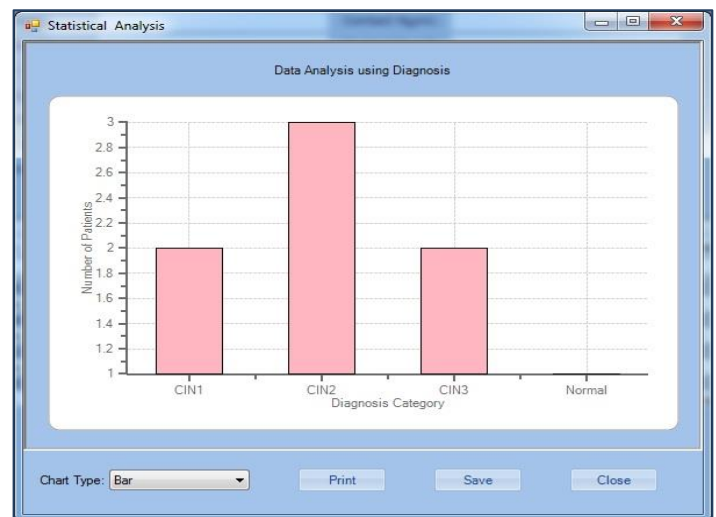
Export To PowerPoint:

- Send selected images/ video/ reports/ audio to MS PowerPoint for presentation.
- No need to search folder for data. Just select the thumbnail and click export to PowerPoint.
- Automatic data exchange between application and MS PowerPoint.
- Very useful for presenting interesting cases.



Statistics Analysis

- Statistics analysis based on diagnostics information like CIN1, CIN2, CIN3, etc...
- Create different types of charts like Bar, Area and XY Plot charts.
- Very useful for research analysis.



Help file and Training Videos:

- Excellent help file support.
- Clear training videos to help get comfortable with the software

