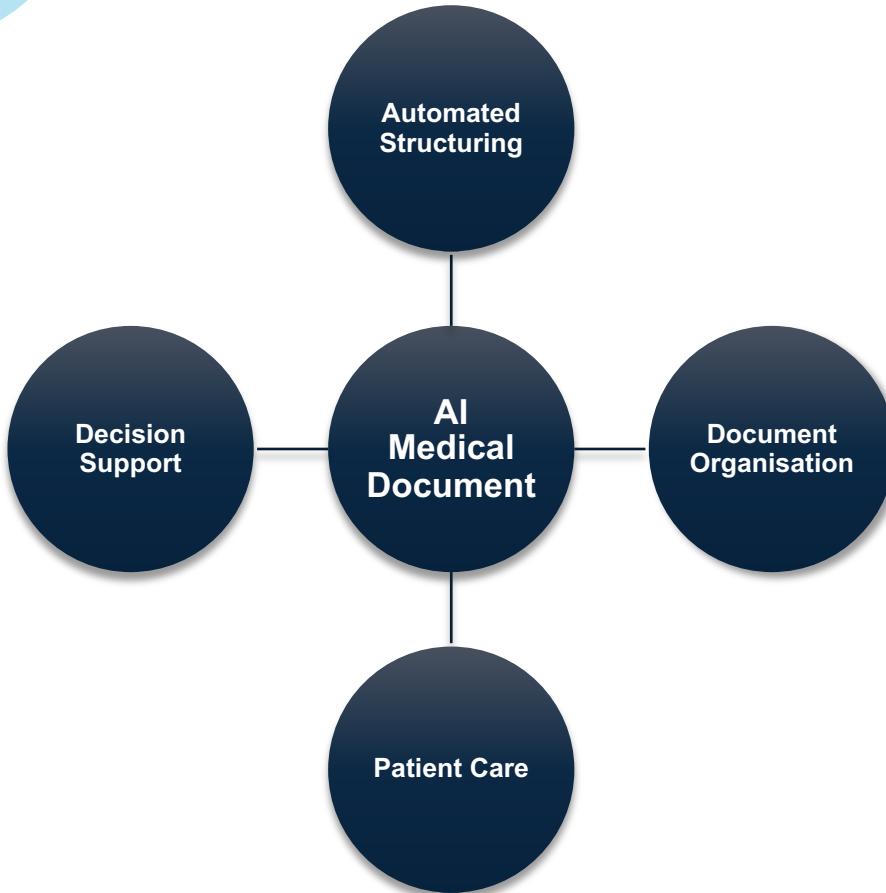


# AI-Powered Medical Document Management

Streamline Healthcare Documentation

*January 2026*

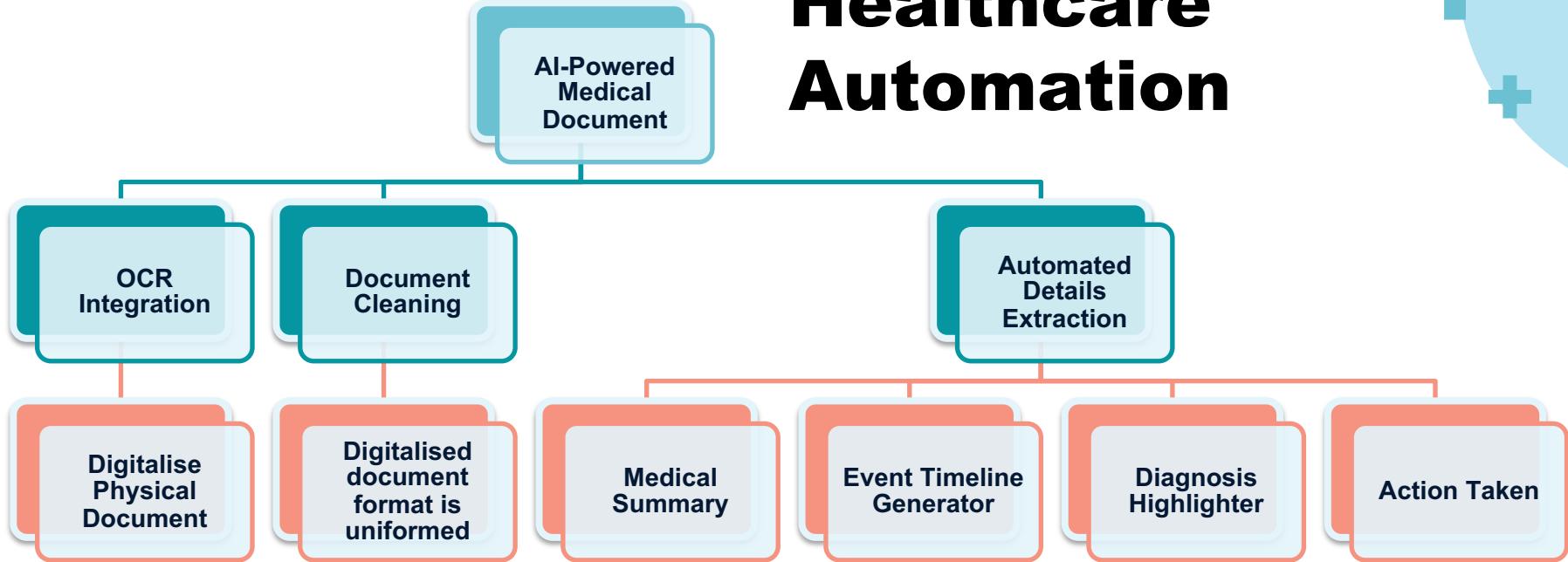




# Structured Care

AI-Powered Medical Document Management changes how facilities handle patient records by using automation and intelligent structuring. It organizes complex documents into clear, consistent formats, making decisions easier and helping improve the quality of patient care.

# Healthcare Automation



This AI-powered tool digitizes medical documents with OCR, standardizes formats, and automatically extracts key details. It creates clear summaries, treatment timelines, highlights diagnoses with prescribed medications, and tracks provider actions and making medical information easier to access, understand, and use efficiently.

# Adaptive Records

## Medical Documents List

Medical Documents List



### Medical Document List

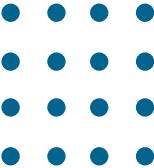
Access, manage, and review all patient medical documents securely in one place.

DOCUMENT TITLE	NAME	FIRST HOSPITAL VISIT	ACTION
CT Scan Reports	Rekha Rani	17-08-2006	<a href="#">View Details</a>
CECT Abdomen	Baljinder Kaur	30-05-2020	<a href="#">View Details</a>
CT Scan Report	Mrs. Poonam	02-02-2010	<a href="#">View Details</a>
EXAMINATION WHOLEBODY FDG PET-CT SCAN	Prabha Rajvanshi	14-08-2008	<a href="#">View Details</a>
KAMALA NEHRU MEMORIAL HOSPITAL ALLAHABAD-211002 PATHOLOGY DEPARTMENT	Rajendra Nath Mishra	06-09-2011	<a href="#">View Details</a>
Contrast Enhanced 18F-FDG Whole Body PET-CT Scan	MRS. PRIYANKA NATH	31-05-2018	<a href="#">View Details</a>
CT Scan Upper Abdomen (CECT Study)	Smt. Radhika Devi		<a href="#">View Details</a>
CT Whole Abdomen Contrast-CT	SARITA PAL	19-09-2019	<a href="#">View Details</a>
INVESTIGATION REPORT	Mr.SUNIL DATT	24-03-2012	<a href="#">View Details</a>
LABORATORY INVESTIGATION REPORT		11-06-2007	<a href="#">View Details</a>
BILATERAL MAMMOGRAM		02-07-2008	<a href="#">View Details</a>

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The tool supports a wide variety of medical documentation types, making it highly flexible and adaptable to different healthcare needs.

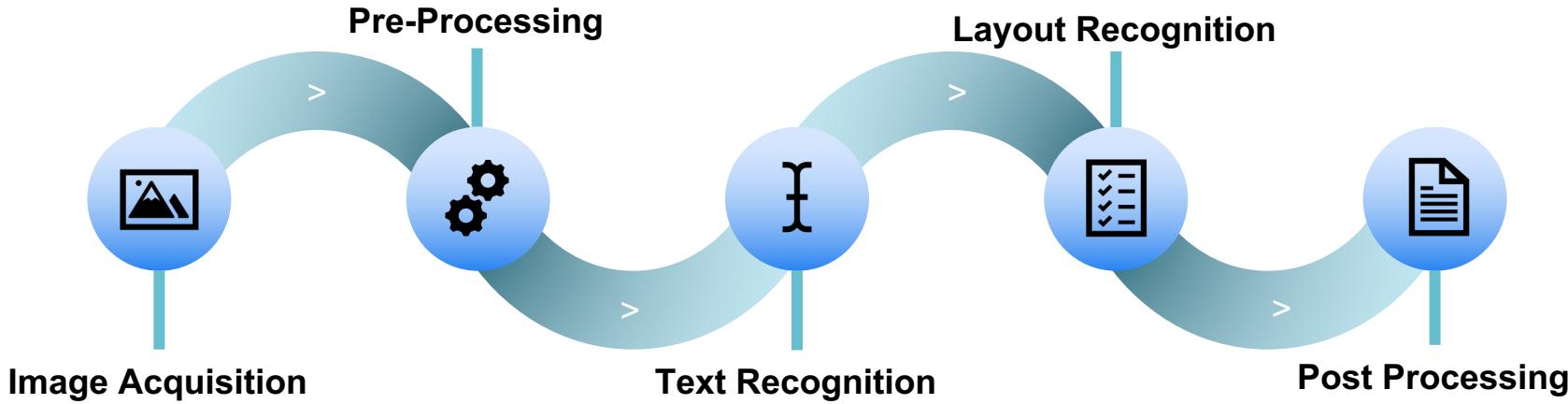


01

## Record Preservation



# Digital Precision



AI-powered system transforms paper medical documents into secure digital records, eliminating manual data entry and reducing errors. Providers gain faster access to accurate patient information, with critical details made searchable and easily shared across systems saving time while improving efficiency, security, and continuity of care.

AI automatically scans physical medical documents and converts them into precise digital text. With advanced character detection, it reduces errors and organizes information into reliable, searchable formats—making data easy to access and seamlessly usable across medical systems.

# Accurate Conversion

Original Data

Medical Details > Original Data

Original Data   Extracted Raw Data   Details

# Original Data

Raw Documents   Cleaned Documents

Unprocessed sources   Smart Preprocessed

RAJIV GANDHI CANCER INSTITUTE AND RESEARCH CENTRE (Unit of Indianappa Cancer Society & Research Centre)

Section V, Rehri, Dehr, - 115 053  
Tel: 4708222222 (99 LINES), 37091911-1015 Fax: 91-11-27051037

CR Name: MRS. MANSI BHATIA   CR No: 139799   Age/Sex: 27/Female  
Refered Doctor: Dr. Dinesh Bhurai   OPD/PO: IPD   I.P. NO.: 12IP117017  
Corporate: RGCI PRIVATE 2012   Ward: SEMI PVT DLX   Bed: 2357-BOX  
Sample On: 23-01-2012   Report On: 23-01-2012 04:23 pm   Biopsy No: B

DEPARTMENT OF PATHOLOGY

BIOPIST NO: B/390/2012  
SPECIMEN: BONE MARROW BIOPSY

GROSS EXAMINATION: SINGLE BONY CORE MEASURES 2.0cm (MTL).

MICROSCOPIC EXAMINATION: HYPERCELLULAR MARROW WITH ~80-90% CELLULARITY SHOWING MYELOID AND MEIGANOCYTIC PREDOMINANCE.  
NO UNUSUAL FOCUS OF NHL INVOLVEMENT IS NOTED.

OPINION: UNINVOLVED BONE MARROW BIOPSY.  
CORRELATE CLINICALLY.

Clinical Interpretation if any:  
Verified By: 

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RAJIV GANDHI CANCER INSTITUTE AND RESEARCH CENTRE (Unit of Indianappa Cancer Society & Research Centre)

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NO UNUSUAL FOCUS OF NHL INVOLVEMENT IS NOTED.

OPINION: UNINVOLVED BONE MARROW BIOPSY.  
CORRELATE CLINICALLY.

Clinical Interpretation if any:  
Verified By: 

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CANCER HEALING CENTER

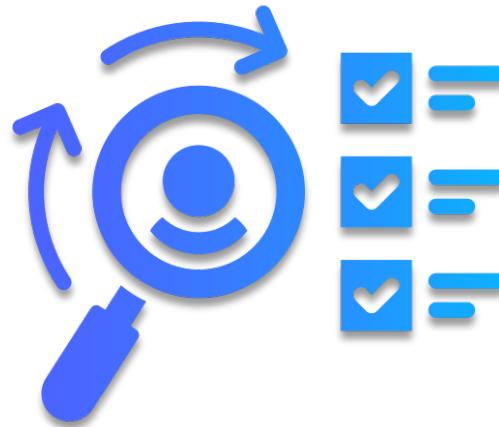
DR KHALIQUIR RAHMAN  
23-01-2012 04:28 pm

This is an electronically generated report and needs no signature. Any alteration will make the report for "fraudulent" or "second opinion". The slides and blocks for second opinion will be issued on the next working day, subject to a written request submitted 24 hours prior. Time of collection of the same would be

Technician Name: ANURADHA  
— End of Report —

02

## Data Refinement



# Data Consistency

AI standardizes medical records into a clear, uniform format that systems can easily interpret. This enables accurate extraction, clear summaries, and consistent information across document supporting reliable analytics and stronger healthcare decisions.

Extracted Raw Data

Medical Details > Extracted Raw Data

Original Data    Extracted Raw Data    Details

Extracted Data

Preprocessed Documents    Cleaned Documents

Preprocessed Documents    Cleaned OCR Result

RAJIV GANDHI CANCER INSTITUTE AND RESEARCH CENTRE

Section-V, Rohini, Delhi - 110 055  
Tel: 47022222 (20 LINES), 27051011-1015 Fax: 91-11-27051037

CR Name : MRS.MANSI BHATIA    CR No : 139799    Age/Sex : 27/Female  
Referred Doctor : Dr. Dinesh Bhurani    OPD/ID : IPO    IP. NO. : 121/PI/17/017  
Corporate : RGCI PRIVATE 2012    Ward : SEMI PVT DLX    Bed : 2357-SDX  
Sample On : 23-01-2012    Report On : 23-01-2012 04:23 pm    Biopsy No : B -

DEPARTMENT OF PATHOLOGY

BIOPSY NO:1390/2012  
SPECIMEN: BONE MARROW BIOPSY.

GROSS EXAMINATION: SINGLE BONY CORE MEASURES 2.0cm (NTL).

MICROSCOPIC EXAMINATION: HYPERCELLULAR MARROW WITH ~80-90% CELLULARITY. BONE MARROW AND NECK/ACACIA BONE PREGRESSES.  
NO UNEQUIVOCAL FOCUS OF MHD INVOLVEMENT IS NOTED.

OPINION: UNINVOLVED BONE MARROW BIOPSY.  
CORRELATE CLINICALLY.

Clinical Interpretation if any:

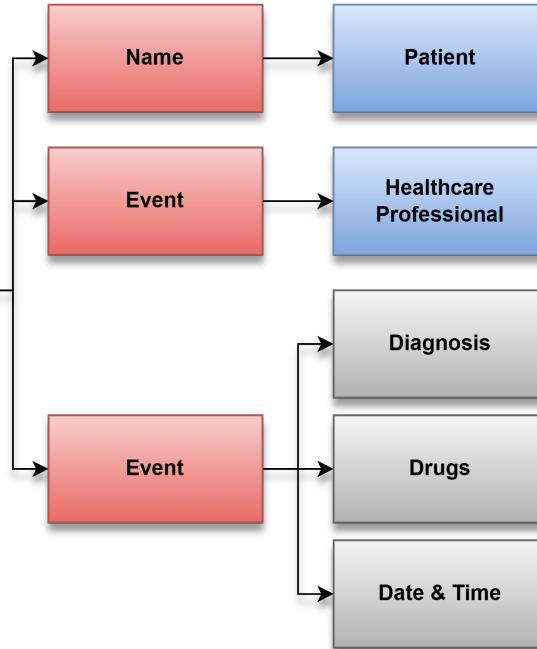
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Jack  
SO901  
SO1401  
CERNO0309  
RAJIV GANDHI CANCER INSTITUTE AND RESEARCH CENTRE  
(Unit I Indraprasth3 Cancr Sociey & Research Centre  
Sector-V.Rohini/Delhi-110 085  
Tel.47022222(20 LINES),27051011-1015Fax:91-11-27051037  
CR Name  
MRS.MANSI BHATIA  
CRNo  
139799  
Age/Sex

Powered by: **eBdesk** Big Data and Artificial Intelligence

Raw Digital  
Medical  
Document

Data Clustering



# Data Interpretation

The system uses information clustering and field detection to identify key details like names of the patients and the attending medical professionals, healthcare institution visited by the patients, and other crucial details to ensure documents are structured, consistent, and easy to interpret.

# Reliable Extraction

By clustering information and detecting extracted fields, documents become more structured and consistent.

This reduces manual filing effort, minimises errors, and ensures accurate data extraction, ultimately improving summarisation and making analytics more reliable.

## Information Clustering

Field Dtection

Pattern Linkage

## Error Minimisation

Structured Record

Accurate Extraction

## High Accuracy

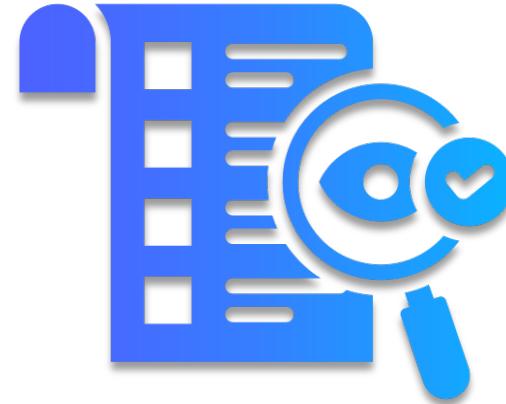
Better Summarisation

Reliable Analytics



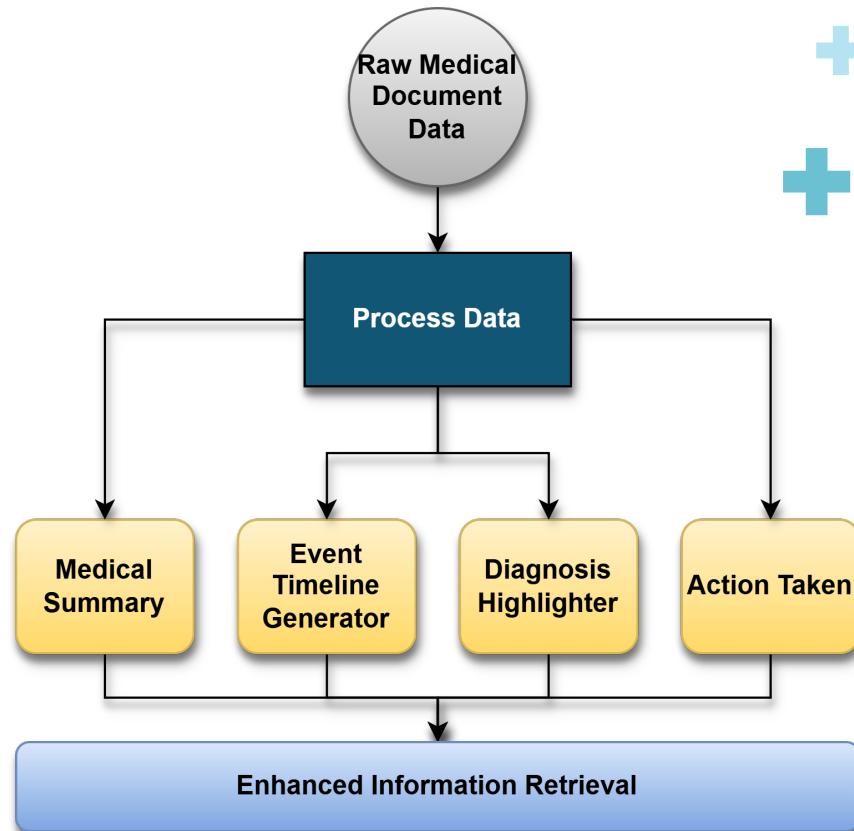
03

## Instant Information Delivery



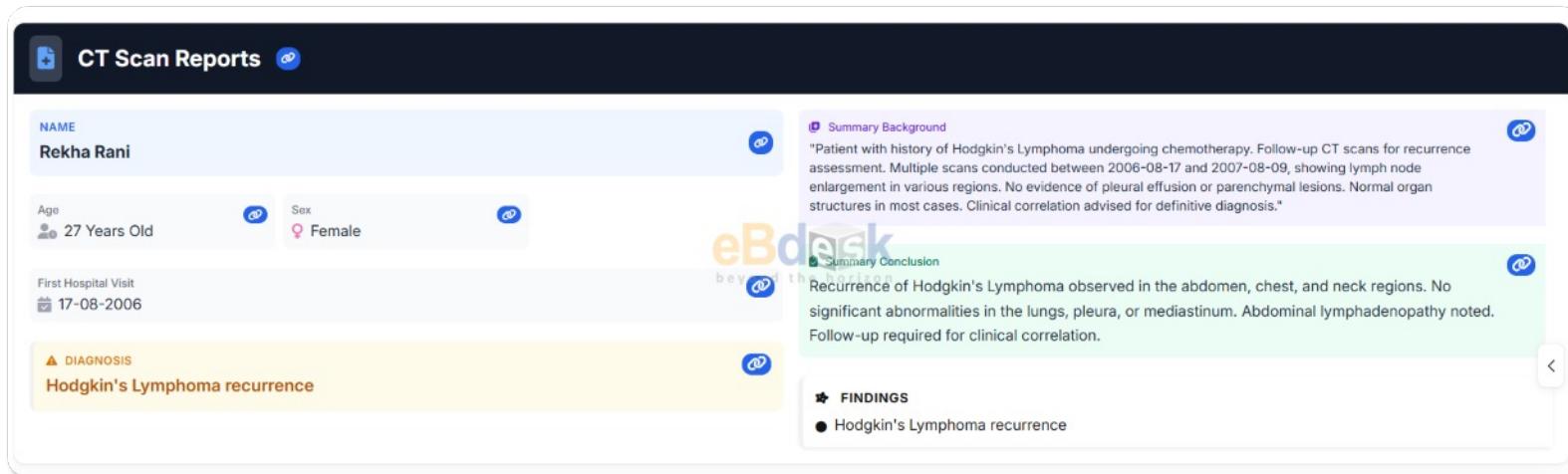
# Clear Access

AI organizes extracted data into a uniform, structured format that makes medical records easy to understand. This enhances communication between documents and healthcare professionals, ensuring clarity, accuracy, and efficient access to patient information.



# Quick Summary

AI automatically transforms extracted data into clear medical summaries. For example, condensing CT scan reports into structured context. This lets practitioners grasp key findings at a glance, saving time and improving efficiency in patient care..



The screenshot shows a user interface for medical reports. At the top, a dark header bar displays the text "CT Scan Reports" next to a blue icon. Below this, the patient's details are listed: "NAME: Rekha Rani", "Age: 27 Years Old", and "Sex: Female". To the right, a "Summary Background" section contains a detailed paragraph about the patient's history of Hodgkin's Lymphoma and the results of follow-up CT scans. Another section, "Summary Conclusion", describes the observed recurrence of the lymphoma in the abdomen, chest, and neck. At the bottom left, a yellow box highlights the "DIAGNOSIS: Hodgkin's Lymphoma recurrence". The bottom right corner features the eBdesk logo with the tagline "beyond the horizon".

NAME  
Rekha Rani

Age 27 Years Old Sex Female

First Hospital Visit 17-08-2006

▲ DIAGNOSIS  
Hodgkin's Lymphoma recurrence

Summary Background  
Patient with history of Hodgkin's Lymphoma undergoing chemotherapy. Follow-up CT scans for recurrence assessment. Multiple scans conducted between 2006-08-17 and 2007-08-09, showing lymph node enlargement in various regions. No evidence of pleural effusion or parenchymal lesions. Normal organ structures in most cases. Clinical correlation advised for definitive diagnosis.

Summary Conclusion  
Recurrence of Hodgkin's Lymphoma observed in the abdomen, chest, and neck regions. No significant abnormalities in the lungs, pleura, or mediastinum. Abdominal lymphadenopathy noted. Follow-up required for clinical correlation.

★ FINDINGS  
• Hodgkin's Lymphoma recurrence



# Patient Timeline

AI constructs clear timelines of a patient's case by organizing records in chronological order. It highlights past treatments, care locations, and medical events, making histories easy to follow and helping healthcare professionals track progress with clarity and accuracy.

**Timeline Events**

- 17-08-2006  
Rohini, Delhi  
CT scan of neck, chest, and whole abdomen performed on Rekha Rani. Patient is a case of Hodgkin's lymphoma under chemotherapy, now reported for recurrence.
- 17-08-2006  
Rohini, Delhi  
CT scan findings: No significant cervical lymphadenopathy, normal thyroid and salivary glands. Enlarged right pretracheal, subcarinal, and left axillary lymph nodes. Soft tissue thickening in prevascular region. Normal trachea and lungs. Normal liver, gall bladder, pancreas, kidneys, and adrenals. Enlarged para-aortic, pre and para-aortic, aortocaval, retrocaval, and common iliac lymph nodes. Uterus and cervix show fluid-filled endometrial cavity with fibroid.
- 13-02-2007  
Delhi  
CT scan of abdomen: Enlarged discrete and

**Persons Involved**

**2006-08-17**  
Rohini, Delhi

**EVENT TIMELINE**

**2006-08-17**  
Rohini, Delhi  
CT scan of neck, chest, and whole abdomen performed on Rekha Rani. Patient is a case of Hodgkin's lymphoma under

# Case Clarity

AI organises patient records into a clear chronological view, making case progression easy to follow. Past treatments can be quickly cross-checked, and communication between medical documents and healthcare professionals becomes more accurate and efficient.

AI-Powered Medical Document Management	Aspect	Conventional File Manager System
Chronological timeline highlights patient's treatment journey clearly	<b>Case Progression</b>	Case progression is fragmented, harder to trace
Easy to verify past treatments and actions taken	<b>Cross-checking Past Treatments</b>	Risk of overlooking or duplicating treatments
Enhances clarity between records and healthcare professionals	<b>Communication</b>	Miscommunication or gaps in understanding patient history



# Diagnosis Highlight

AI automatically highlights key details such as a patient's last visit, prescribed medications, and corresponding diagnoses. It also records the actions taken for each case, giving healthcare professionals a clear, structured view of patient history and treatment decisions at a glance.

 **RAJIV GANDHI CANCER INSTITUTE AND RESEARCH CENTRE**  
Sector-V, Rohini, Delhi-110085

First Visit 17-08-2006	Last Visit 17-08-2006
---------------------------	--------------------------

**LAB RESULTS**

Element	Result
---------	--------

**DRUGS REGISTERED**

Chemotherapy — Treat Hodgkin's Lymphoma

**DIAGNOSIS**

Hodgkin's Lymphoma recurrence

**Details & Actions**

2006-08-17

**CT Scan of Neck, Chest and Whole Abdomen**

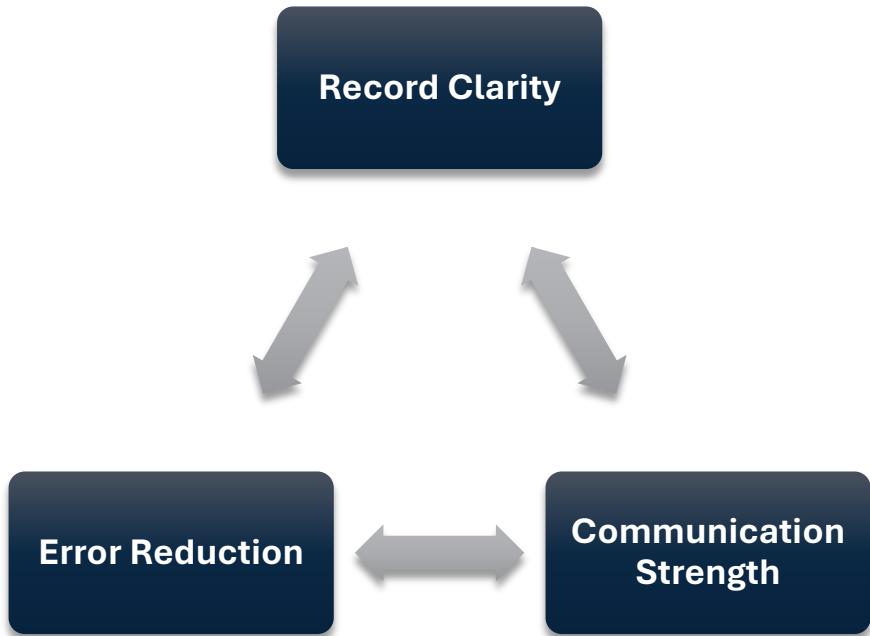
CT examination performed after oral and I/v contrast administration. A case of Hodgkin's lymphoma 199g, Underwent chemotherapy. Now reported for recurrence)

— Referral by Dr. Harit Chaturvedi for FDG PET-CT study

Neck: Nasopharynx, oropharynx and hypopharynx are normal. Larynx is normal. No significant cervical lymphadenopathy is seen. Thyroid and major salivary glands are normal. Left sternomastoid inferioren shows presence of air -post biopsy procedure. Anew beginningi. Chest: Enlarged right pretracheal lymph node (image 4/7) & subcarinal lymph node (image 4/12) and left axillary lymph nodes (image 4/9) are seen. Soft tissue thickening is seen in prevascular region (image 4/9). Trachea and main stem bronchi are normal. Both lungs are normal. No evidence of pleural/pericardial effusion is seen. Abdomen: Liver is normal. No focal lesion/dilated IiBR are seen. Gall bladder, spleen, pancreas, both kidneys and adrenals are normal. From the level of coliac axis artery enlarged confluent & some discrete. Pre and paraaortic, aortocaval & retrocaval & common iliac lymph nodes are seen displacing the coeliac artery and renal vessels and extending upto iliac vessel bifurcation. Bilateral external iliac lymph nodes are also enlarged. Urinary bladder is normal. Uterus and cervix are bulky and shows a fluid filled endometrial cavity. Heterogenously enhancing posteroinferior region- Fibroid (Suggest-USG correlation).



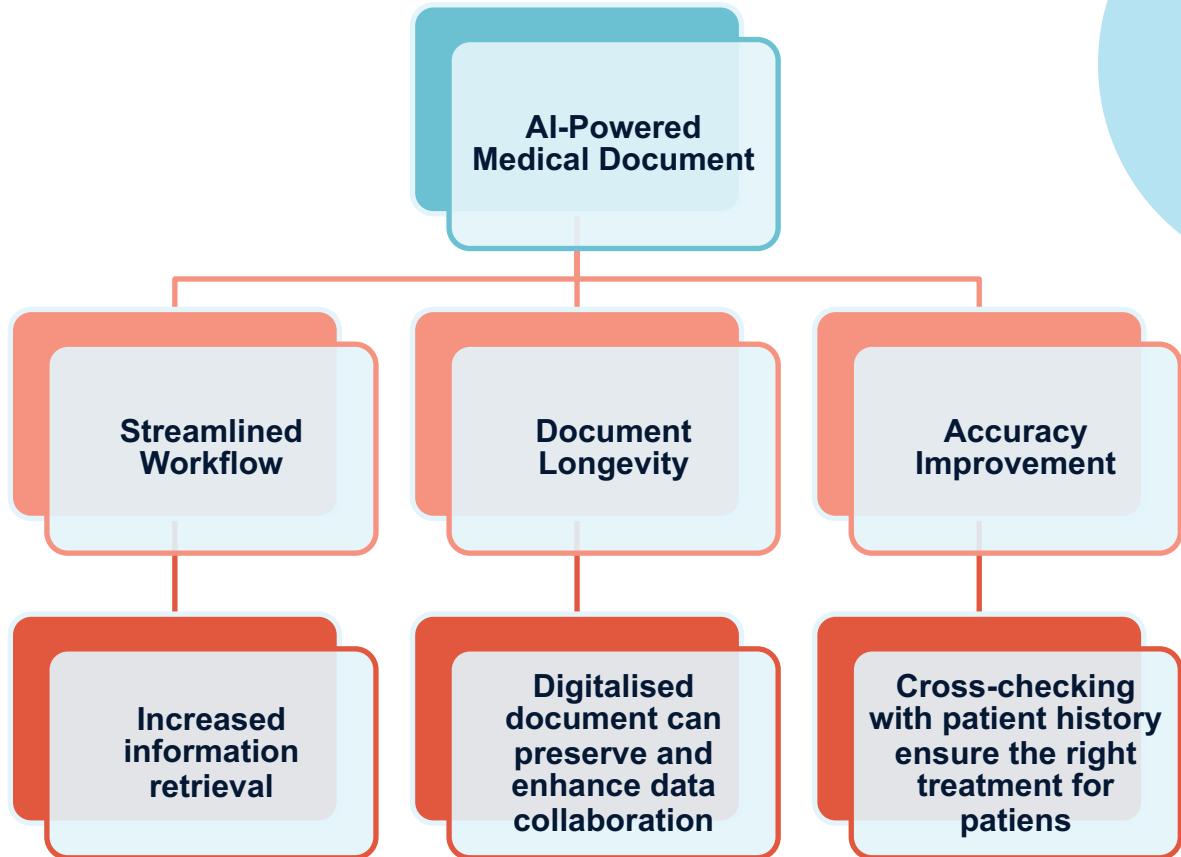
# Structured Care



AI creates a clear, organized view of medical records, making them easier to understand and improving communication between documents and healthcare professionals. By linking treatments directly to diagnoses, it ensures continuity of care, reduces errors, saves time, and enhances the accuracy of clinical decision-making.

# Smart Workflow

AI streamlines healthcare operations by structuring records, highlighting diagnoses, and presenting clear case timelines. This balance of automation and clarity improves accuracy, enhances communication among professionals, and enables faster, more confident patient care decisions.



# Thank You

