RAD365

Telehealth Solutions

ACCURATE | FAST | VALUE-BASED

Welcome to RAD365

RAD365 is a trusted global leader in the telehealth – remote patient care management (RPCM) space, providing best-in-class teleradiology and AI augmented medical imaging. RAD365 provides customers with a cost-effective, always available telehealth coverage with an aim to drive greater productivity and faster, more accurate value-based outcomes. By building AI models to augment medical imaging, RAD365 establishes an AI-powered parallel reading system to help radiologists achieve quicker turnaround time; in compliance with regulatory obligations. The last half-a-decade has witnessed to the rise of AI and telehealth products and services and the promise it holds to improve quality of care. At RAD365, it is our endeavor leverage this powerful technology to make a difference in the lives of patients and care providers. That is, what we believe to be, telehealth with a difference.

Our Journey 2007 – Present

2007
Launched as a back-office support for Teleradiology International. It started with 12 team members, servicing 1 client.

2010
Major upgradation in technical and IT support brought in First Touch, Print to PACS and Proofing. The team strength grew to 30 and client base to 4.

2012
Independent KPO operations launched. It comprised revenue cycle management, including medical billing and coding, and AR follow up.

2014
Launched independent Teleradiology operations with a strong 50-member team of radiologists. Also, put together a team of software developers for healthcare solutions.
The team strength grew to 48 and client base to 11.

2015
Introduced Smart DICOM into the development procedure along with Smart Work Flow management programs. Launched a Technology vertical with a team of 12 domain experts. Initiated Teleradiology services in USA.

2017
The team of radiologists grew to 150, team strength reached 95 to cater to 18 clients.

2018
Introduced Healthcare Data analytics and Service boosters. Launched Digital Healthcare Solutions - Second Opinion and SOS4Dr

2019
Launched Artificial Intelligence (AI) division as part of the technical support for all its operations and to facilitate its venture of Connected Health – a prime digital Healthcare Solution. Team members grew over 100 by mid-year providing services and solutions to 20 clients.

2021
Developed telehealth products and services to help us deep dive into establishing AI augmented radiology models. Additionally, we increased our team size to 120+ and also onboarded several healthcare IT specialists.

...and we move ahead.

RAD365

Our Vision

To be the first choice of health providers globally with its empathetic, innovative and value-based telehealth and AI-enabled healthcare technology services and solutions that positively impact the lives of individual patients and communities.

Our Mission

In the rapidly evolving and highly competitive healthcare technology landscape, our wide range of telehealth services and AI-powered medical imaging solutions will continue to create and deliver the best value and fast, accurate, safe and measurable outcomes for our clients.

Committed to our clients' needs, we strive to create a robust and efficient healthcare ecosystem. We boast of an unrelenting drive to deliver cost-effective robust teleradiology solutions with a focus on data security and confidentiality. RAD365's HIPAA compliant solutions ensure that patients' personal information is used safely, securely, and discreetly.

Our Values

We at RAD365 live by the following values that form the basis of our unwavering commitment to ourselves and to our clients and the community at large.

Passion

To be the best and most trusted global partner can come only with a drive and an earnestness that we have in abundance.

Empathy

To make a difference to our clients and employees, we are proactive in our efforts to understand their needs and goals. We value their perspectives, feelings and emotions, especially during challenges.

Collaboration

To ensure we deliver the best value and effective outcome, we start by first listening to our clients' needs, asking relevant questions, cooperating with them, solving their problems and learning from them. Internally, it's all about unobtrusive, fluent and engaged teamwork.

Integrity

Our solutions come with trust and credibility built over the years, that commits to provide accurate reports and opinions while working towards best-in class yet cost-effective solutions.

Innovation

To keep pace with the rapidly evolving technology in healthcare and teleradiology and help our clients realize the best outcomes, we embrace change as our raison d'etre, creating solutions that today include the latest applications in technology and AI.

Our Core Strengths

Our qualified pool of talent is certified in Clinical Research with Master's degrees in Science, Pharmacy, Computer Applications and Medical Transcription and is supported by an experience rich pool of data scientists, AI modelling experts, and IT professionals. Our strength lies in team work. It is the basis of how we operate, where the team leads work closely alongside other members.

What Makes Us Different?

- Agility and transparency
- Superior consultation through our advisory team
- Integrated, modular approach for enhance efficiency
- Trustworthy experience
- Effective leadership
- Dedicated customer service


99%
Accuracy
in Reporting
150
Global
Clinical
Consultants
1.78
Million
Reports
Generated
Global presence:
USA, UK,
& India
15+
years in
Healthcare
Technology
25+
Global
Clients
24 x 7 x 365
coverage facility

RAD365

Our Clients: USA

Our clients are our most treasured assets. We nurture every client relationship with passion, commitment, and integrity. This is precisely why most of our clients have been with us through more than the decade of our existence.

Our client philosophy is anchored around the following core principles:

Serve with honesty, integrity, and transparency

Think innovatively, deliver effectively

Be accessible and responsive

Some of our clients include the following:

- Leading radiology outpatient centers for about 12 years
- A renowned national mobile ultrasonography service provider for more than 8 years
- A Teleradiology major for about 5 years
- An international radiology company for about 3 years
- A Veterinary Radiology Company for 4 years
- An international revenue cycle management firm for 6 years

Our Presence: India

A majority of clients RAD365 serves are based in Eastern India. We have been working with:

24x7 Tele-Radiology Coverage

- A world-class super-speciality NABH accredited tertiary care healthcare 400 bed hospital in Kolkata
- A 400 bed Multi-Speciality Hospital & Research centre located in eastern periphery of Kolkata
- Medical College in Kolkata which marks the beginning of medical education in our country
- State of Art Multi-Speciality Hospital with 450 beds and all its 4 branches in Eastern India
- A 85 bedded state of art Nursing Home in Bihar
- A Super speciality Hospital in Patna with 220 bed facilities

Vacation Coverage, Nighthawk & Emergency Reporting Coverage

- A 350 bedded state-of-the-art super speciality hospital, in Durgapur
- Two Super speciality Hospitals in Bihar with 200 bed facilities
- A small Hospital at Kolkata backed by National Institute of Health & Family Welfare

Teleradiology

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Teleradiology

Teleradiology, in essence, is based on a fundamental triad; an image sending station, a transmission network, and a image retrieval station that should have a high-quality display screen. Recent innovations include the cloud for improved cost reduction, mobile technologies for greater access, and more sophisticated teleradiology workflow that enhances radiologist productivity, provides performance metrics, and tracks quality.

Teleradiology improves patient care by enabling radiologists to offer their expertise without having to be present. This is essential when radiologist subspecialists (e.g. MRI radiologists, pediatric radiologists, or neuro-radiologists) are required as the number of these specialists is relatively low. Teleradiology, thus, enhances the quality of reporting by bringing the images of patients to the most specialized radiologists best qualified to interpret a particular scan.

On the other hand, smaller-sized, remote healthcare facilities might employ just one radiologist or none at all. In case of a single radiologist, it's impossible for the appointed expert to be available 24 x7. Here, the support of a teleradiology provider can improve the standard and quality of care that may have been diminished by excessive work load.

Teleradiology Reads

Preliminary Reads and Reports

RAD365 values and respects the commitment our centers have for providing patients with the highest standards of care. We strive to optimize the quality of care provided to each patient with no exception by offering holistic preliminary Teleradiology interpretations, reports, and reads. As the need arises, we deliver a preliminary report as well as the final interpretation.

Final Reads

RAD365 takes pride in final read interpretations. We provide custom reports to meet client requirements. Our reports meet global-international standards for centers accreditation preparedness. Final reports and interpretations of diagnostic image studies are performed by fellowship-trained and certified subspecialty radiologists. Our focus always remains on producing high-quality image study reports and interpretations to meet client expectations.

Subspecialty Reads

RAD365's team of radiologists provide subspecialist coverage without the cost and challenges involved with a local hire. 60% of our radiologists are subspecialty-trained radiologists with an average of 20 years of experience and well equipped to provide sub-specialty radiology reports of global standards in the fields of –

- Musculoskeletal disorders
- Neuro-radiology
- Vascular disorders
- Oncology
- Gastro-Intestinal disorders
- Chest related disorders
- Women & Child related health issues

We ensure that irrespective of the situation, you're prepared with a clinical resource to provide a preliminary/final report, empowering you to make better decisions for patients.

Teleradiology Coverage

- 24x7x365 Coverage
- Nighthawk Coverage
- Vacation Coverage
- Emergency Reporting Coverage

Teleradiology Services and Support

Delivered with Quality and Integrity

Our clinical expertise and years of experience permit us to offer comprehensive Teleradiology services and support. Our team of radiologists are board-certified and trained in disciplines like musculoskeletal, body imaging, women's imaging, pediatric imaging, and so on.

We collaborate with clients to provide customized, the following kinds of Teleradiology coverage that best suits your needs:

- 24/7/365 Day and Night
- Vacation
- Nighthawk
- Emergency reporting

You can always count on excellent customer service, fast consultations with physicians, and attention to detail. Together, we work towards the best patient outcomes. This is what drives us to provide Teleradiology with integrity.

Types of **Radiology Modalities Covered**

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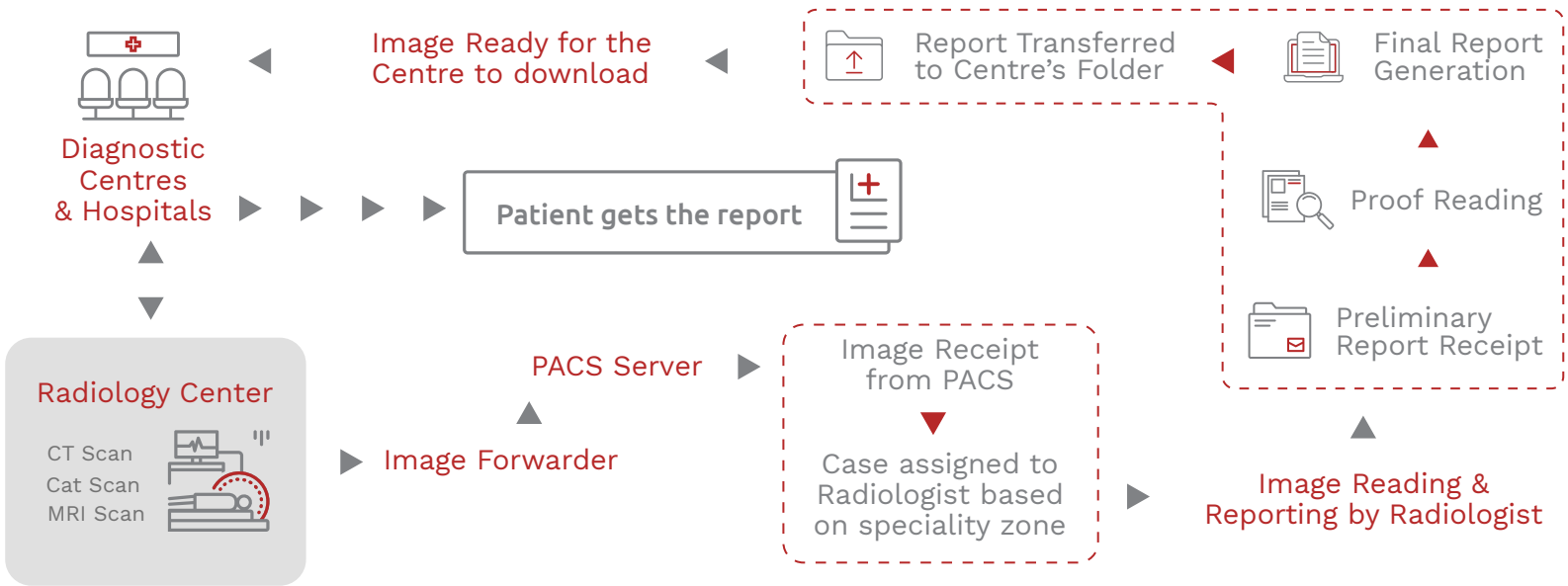
How it works:

Teleradiology at Rad365



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Why Teleradiology with RAD365

- 24 x 7 x 365 tele-health coverage
- Reported by MD radiologists only
- Sub-specialty coverage
- Emergency reporting in 60 to 90 minutes
- Normal reporting in 180 to 240 minutes
- Team of 150 radiologists located across the globe
- Robust QA Process

- Real time discussion with radiologist, whenever required
- Capable of reporting 5000+ reports in a day
- FDA approved & HIPAA compliant PACS and related software
- Data Security & Confidentiality
- Economical & Cost-effective
- Value-added service: Second Opinion

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We provide the following to ensure seamless and trouble-free service:

- Trained support professionals (online and over voice) 24x7x365, minimizing inconveniences
- Stable and continuous on-site security and power backup
- Experienced IT personnel equipped to connect relevant patient data with that of the medical record/clinical information systems

PACS Support & IT Services

We Implement and configure PACS & DICOM Modality both on-site and off-site location. We provide remote off-site support for PACS & DICOM troubleshooting and connectivity. We manage and train client/end user for using the PACS & DICOM platform. We maintain systems and security for the entire office and process, including customer data. In case of unforeseen glitches, our technicians immediately test the issue on the parameters provided by the Engineering team. Following are the areas of testing covered as a process:

DICOM

HL7

Functionality Testing

The IT systems comprise high-end PACS and data archiving solutions to manage the Teleradiology systems. Our experts possess the detailed knowledge of HL7 integration and its implementation in various healthcare applications.

We offer the following healthcare IT solutions for our clients:

- HIPAA-compliant Teleradiology report distribution platform
- Customized healthcare systems integration
- DICOM viewer
- Teleradiology invoicing software solutions
- Radiology images distribution solutions
- Customized interface development for PACS

RAD365's PACS support and IT tools support your business goals anytime, anywhere by ensuring the following:

- Uninterrupted integration in your enterprise
- Unmatched management and availability for both your clinical and IT needs
- Minimized redundancy

HAILTH

Artificial Intelligence in Healthcare

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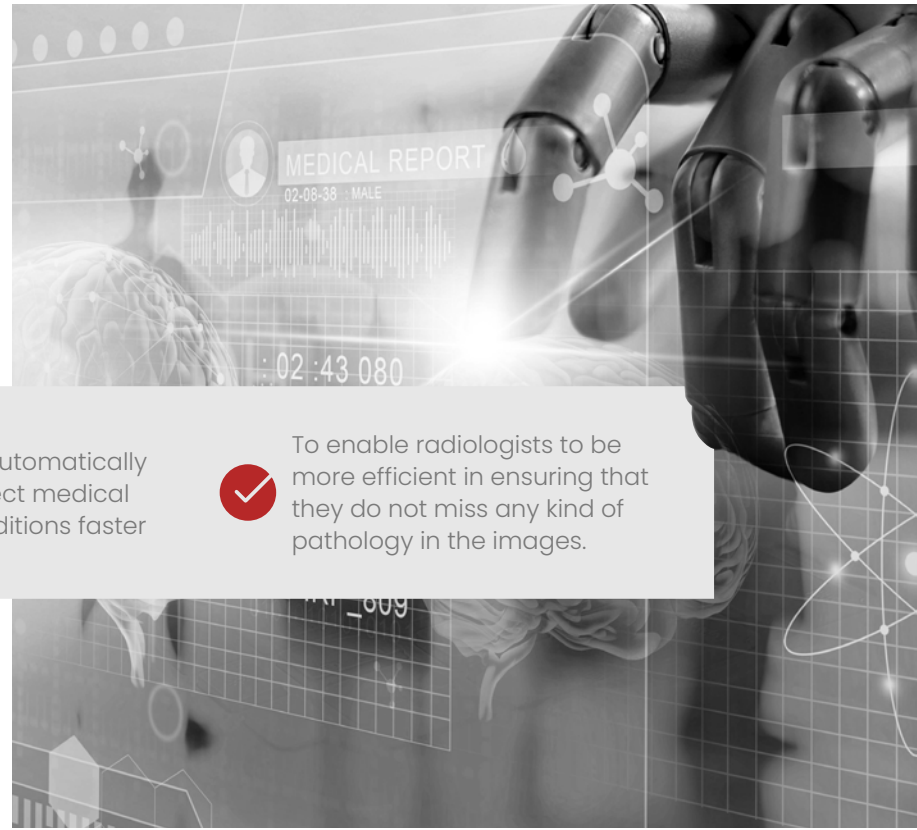
What makes Us different?

- Deep Learning for Radiology Image analytics
- Traditional Machine learning for feature engineering methodologies
- Extensive Research experience of our radiologist & scientists put to use

- Creation of advanced, high quality healthcare models
- Availability of in-house data help validate our models extensively
- In-house tele-radiology services validate our products on routine basis

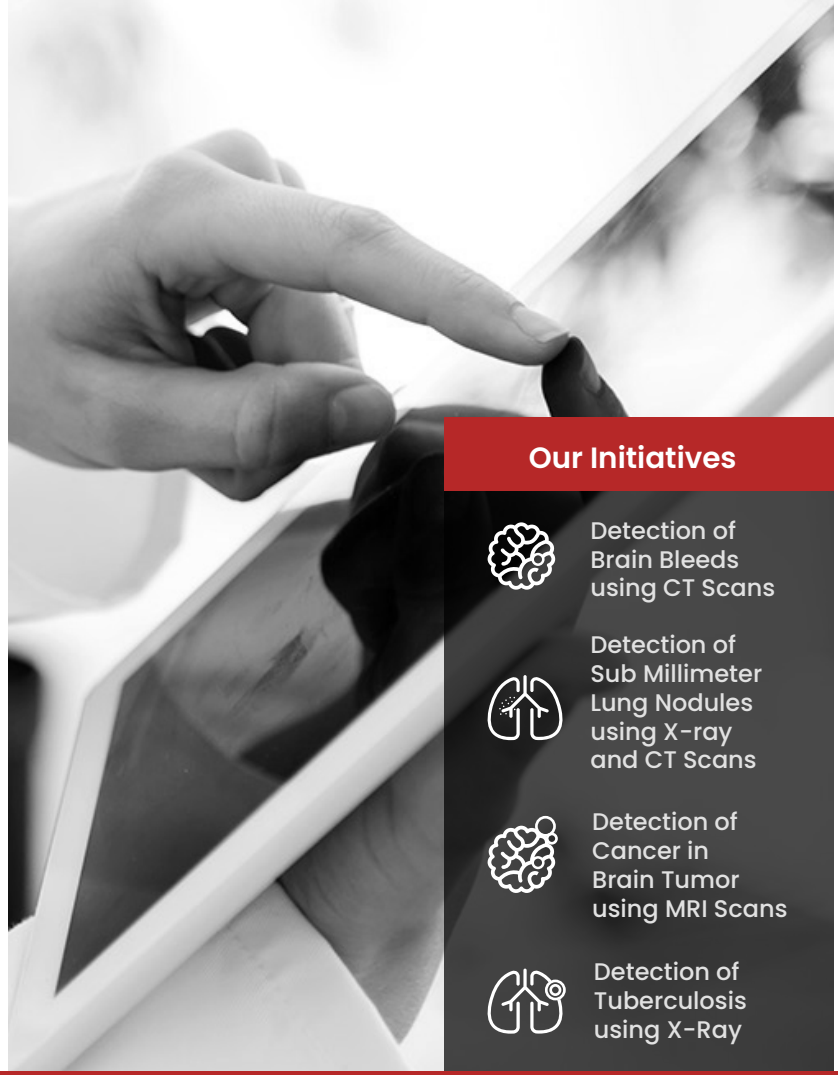
Artificial Intelligence in Medical Imaging

Using traditional Machine Learning and Deep Learning technologies, at HAILTH we are in the process of developing **automated diagnosis systems for some specific use cases in the form of a Software-as-a-solution (SaaS) product -**



- To AID physicians in medical diagnosis
- To utilize artificial intelligence to analyse millions of imaging scans
- To automatically detect medical conditions faster
- To enable radiologists to be more efficient in ensuring that they do not miss any kind of pathology in the images.

This solution integrates with the PACS system or DICOM to acquire images, analyse them in the cloud and deliver accurate medical findings in real time.



Our Initiatives

- Detection of Brain Bleeds using CT Scans
- Detection of Sub Millimeter Lung Nodules using X-ray and CT Scans
- Detection of Cancer in Brain Tumor using MRI Scans
- Detection of Tuberculosis using X-Ray

Transforming data into knowledge for better care

AI is the key to digitalizing healthcare and enabling you to transform care, extend precision medicine and enhance patient satisfaction. We have built a portfolio of unique AI-powered solutions that help automate and standardize both workflows and complex diagnostics to meet patient needs. Keep reading to know more about our company and its latest AI-powered offerings that will shape the future of Teleradiology.

Hailth is a Software-as-a-Service company that leverages data to advance medical diagnostics. By bringing together world-class radiologists, data scientists, and researchers, we collect and analyze clinical data, pioneering medical products and service that empowers healthcare professionals to diagnose anomalies sooner and with unparalleled accuracy.

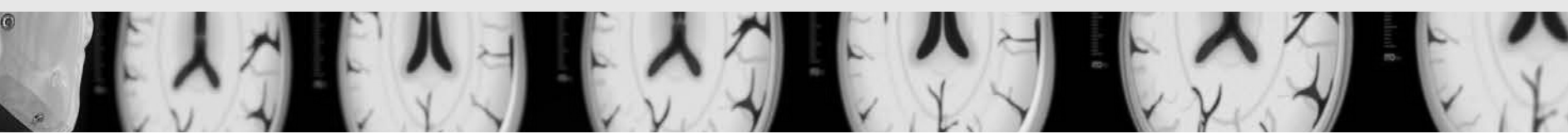
Our Strengths

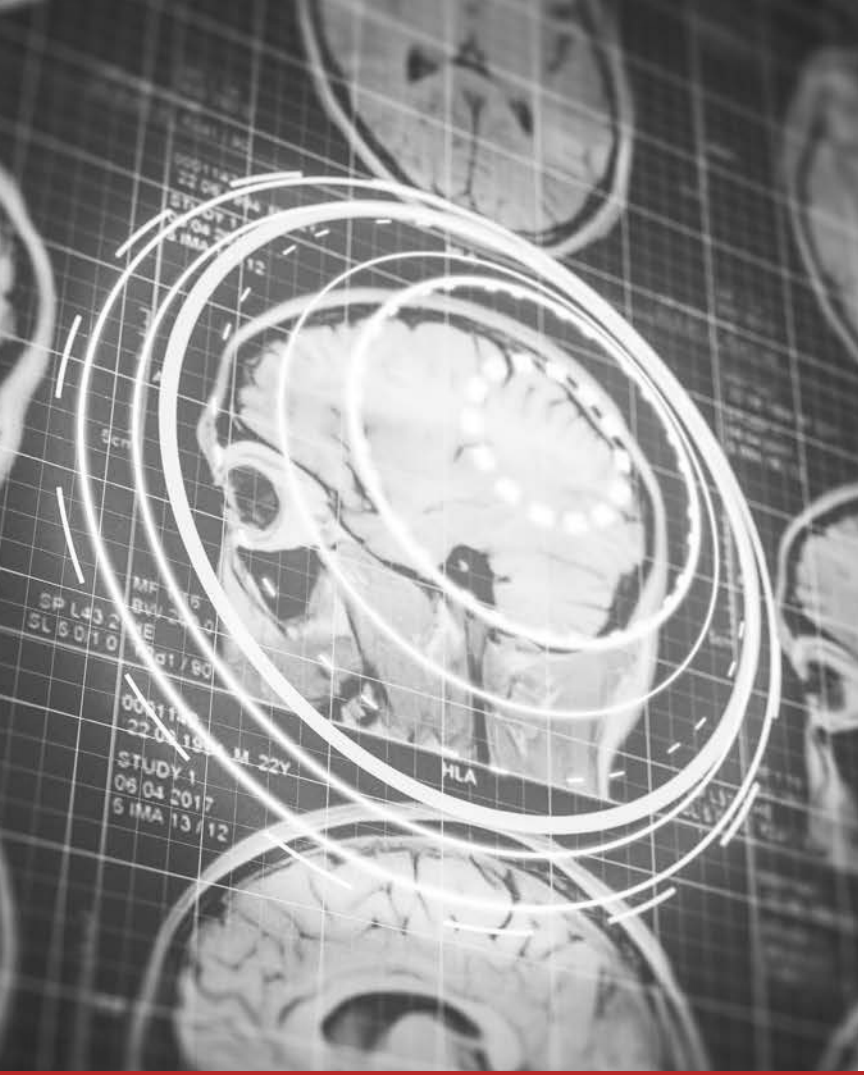
HaiLTH utilizes AI and cloud-computing technologies to interpret medical images and clinical data, aiding doctors with comprehensive diagnostic support. Our expertise is as follows:

- **Augmented case diagnosis and management**
- **Unhindered access to qualified radiologists and annotated imaging solutions**
- **Improved patient and staff experience**
- **Reduced costs and liabilities**

Our Objectives

- Establish Parallel eco-system for tele-radiology process in the Reading nodal point
- Value addition to Productivity & Output in terms of accuracy & reading speed
- Value based reporting will be the key beneficial aspect
- Access to global live database about related possible case studies for comparison purpose for better reporting
- Establish Highly effective support during emergency situations in reading any image of a critical patient
- Enhance the efficiency in terms of spotting pathology in the images





Our Initiatives

Automation in Diagnosis

Solutions

High efficiency is among the most important arguments in favor of automation. With automated processes implemented, analyses can be easily carried out in significantly less time and with a high volume of specimens. Resources can be used more efficiently and error-free test results are likely to be available faster.

Using traditional machine deep learning algorithms, we are in the process of automating diagnosis systems for some specific use cases. This technology is not a replacement for radiologists but it enables radiologists to be more efficient in ensuring that errors don't occur while reading the images.

Automation in Diagnosis

Benefits

Improved illness identification

HaiLTH will benefit from AI, ML models and content-based image retrieval (CBIR). This will help identify labelled images that appear visually similar to a patient's case, reducing the time between a patient visiting a clinic and receiving feedback to get the condition treated.

Enhanced treatment personalization

HaiLTH aims to leverage machine learning to offer consumers customized treatment plans. The algorithm uses information from a huge database which reportedly includes case studies and customer reviews.

Maximized clinical and productivity benefits

The massive growth of computational power has led to a significant increase in the amount and granularity of stored digital medical data. HaiLTH seeks to use AI to analyse the large volume of this data to deliver more meaningful and actionable insights to transform how healthcare is delivered.

Increased safety and accuracy for PET Scans

Besides diagnosis, medical imaging techniques like PET scanning are gradually becoming imperative to evaluate patients' responses to treatments like cancer. Early response and evaluation are essential for treatments like chemo or radiation therapies.

Bolstered speed, power, and comfort of MRI

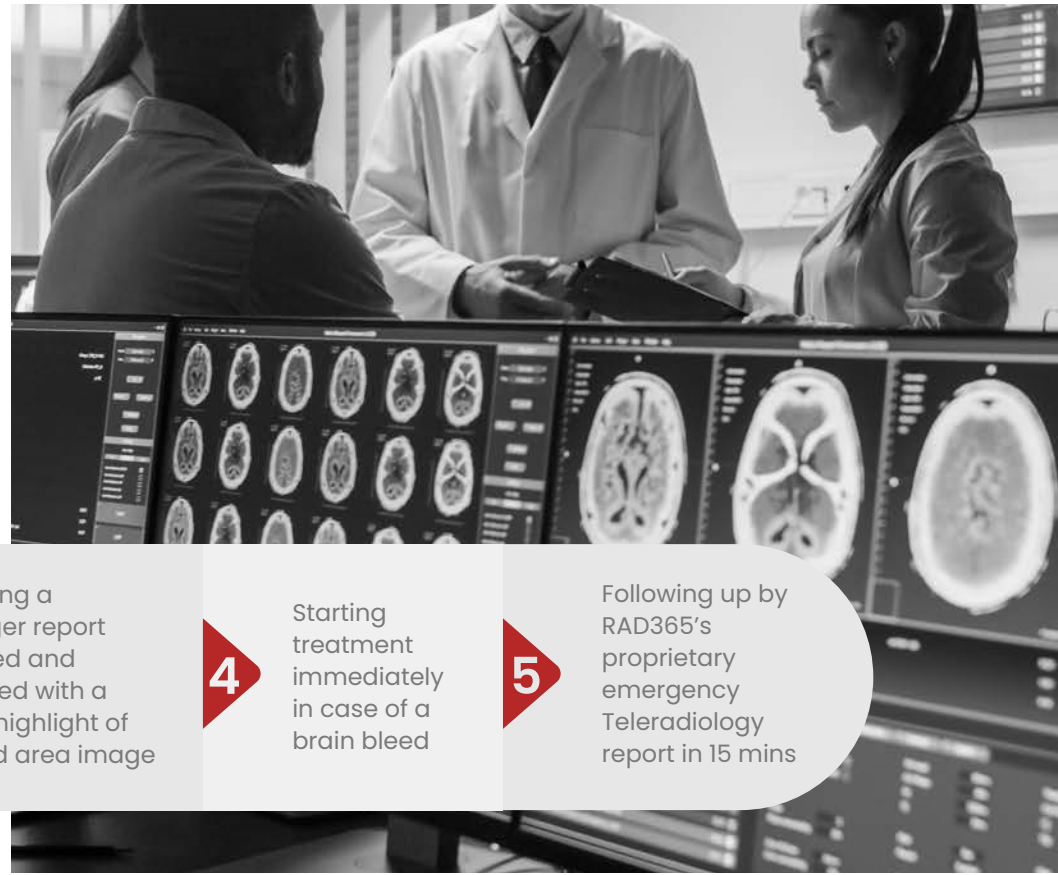
By applying to this problem ML-based image analysis, HaiLTH's solution strives to cut down both the time needed for MRI examinations but also ensures the quality and quality of data provided.

Our Products

Detection of Brain Bleeds using CT Scans

HaiLTH's Intracranial Haemorrhage (ICH) algorithm automatically detects suspected brain bleeds based on CTs. This tool constantly provides timely detection of people at high risk of brain bleeding events anytime, anywhere. The algorithm comprises a unique neural network architecture specifically developed to identify intracranial haemorrhage.

Five Steps to Spontaneous ICH Management



1. Reading the CT scan report by the AI agent
2. Detecting – brain bleed/no brain bleed
3. Generating a one-pager report generated and transferred with a specific highlight of the bleed area image
4. Starting treatment immediately in case of a brain bleed
5. Following up by RAD365's proprietary emergency Teleradiology report in 15 mins

Our Products

Detection of Sub Millimetre Lung Nodules using X-ray and CT Scans

HaiLTH's fully automated, real-time solution is designed to assist radiologists in the detection of sub-millimetre pulmonary nodules during the review of X-rays and CT examinations anytime, anywhere. It is intended to alert radiologists regarding regions of interest (ROI) that may have initially been overlooked. Detection of sub-millimetre lung nodules using X-ray and CT Scans operates on a novel automated pulmonary nodule detection framework with an intuitive convolutional neural network (CNN).

Four Steps to Detection and Management of Sub Millimetre Lung Nodules

1. Reading the CT scan report by the AI agent
2. Detecting the presence of sub-millimetre lung nodules
3. Generating one-pager report and transferring it with the specific highlight of the affected lung area image
4. Generating the report of old CT scan or X-ray (if available) for denoting the change in the status of nodules

Our Products

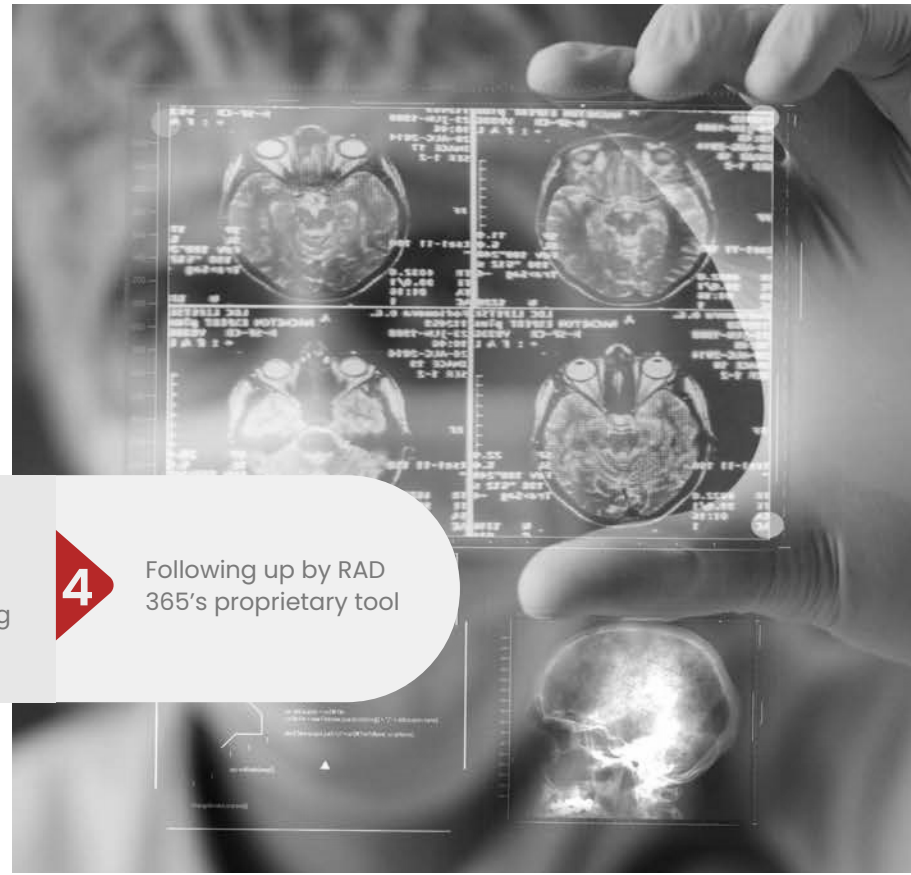
Detection of Cancer in Brain Tumor using MRI Scans

HaiLTH's smart clinical practice algorithm identifies suspected tumors in the brain from MRIs anytime, anywhere. The solution leverages neuronal networks to immediately assess and clinically validate the therapeutic responses of brain tumors based on MRI in a fully automated and standardized way.

Four Steps for Moving from Fear to Action: Diagnosis

1. Loading MRI scans and MRI spectroscopy data
2. Reading by the AI agent
3. Generating alert in case of an abnormal finding
4. Following up by RAD 365's proprietary tool

Time is key for brain cancer patients. Keeping this in mind, HaiLTH's smart solution has been designed on the RAD 365 technology infrastructure to offer results that are both qualitatively and quantitatively different from what is available.



Our Products

Detection of Tuberculosis Using X-ray

Each year, tuberculosis claims approximately 1.5 million lives, making it the second leading infectious killer after COVID-19. The lack of qualified physicians needed to interpret every chest x-ray in a timely manner inevitably results in reporting delay. This is where HaiLTH's image interpretation automation process is helping healthcare professionals make a difference.

Five-Step TB Detection Approach

1. Capturing and sharing chest radiograph to AI engine for reading
2. AI-enabled segregation of 100% negative and <100% negative (considered positive) cases
3. Generation of one-pager report highlighting the affected lung area image
4. AI-enabled triaging of positive cases for further detailed reporting
5. Comprehensive radiology report generation to aid physician decision-making

Hailth provides low-cost, accessible TB detection to vulnerable populations. Our zero-footprint solution requires no extra hardware support and is:

- **Fine-tuned to be appropriate for the local patient population**
- **Trained for rapid reading and accurate reporting 24x7x365**
- **Capable of using x-rays of varying quality and exposure to screen patients with multiple symptoms**

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