



Lab Owner and Chief Pathologist at Helix Pathlabs Saves Over 5 Hours per Day After Implementing Attune LIS Software

The Chief Pathologist who valued patient care above all else spent over 14 hours per day in the lab at the expense of personal time to ensure highest patient care at the cost of personal inconveniences.

THE CUSTOMER

Dr Charandeep Singh Sahni is the owner and Chief Pathologist of Helix Pathlabs located in Mohali. Dr Sahni completed his MBBS from Grant Medical College and Sir JJ Hospital, Mumbai. He got distinction in biochemistry and pharmacology during MBBS course and further went on to complete MD (Pathology) from the renowned Tata Memorial Hospital, Mumbai. Dr Sahni also worked as Senior Resident in Department of Histopathology at PGIMER, Chandigarh.

Dr Sahni has special interest in histopathology, cytology and oncopathology. He started his practice in January, 2008 by launching HELIX PATHLABS at Indus Super Specialty Hospital in Mohali. He was consultant pathologist at Ivy Hospital, Mohali and Mukat Hospital, Chandigarh.

THE CHALLENGE

As with any doctor, Dr. Sahni was spending inordinately long time at work that seriously compromised his ability to spend quality time with family. The doctor would spend the entire day from 8.00 am to over 10.00 pm in the lab. There were multiple reasons:

- Need to be physically present in the lab to check each and every report in spite of the fact that over 80% of reports usually had normal values
- Waiting for long periods of time, sometimes even late in the night for the analyzers to generate the final report for validation
- Managing the operations of the growing business of a lab that included increasing number of samples to be processed accurately on a daily basis
- Manual checking and entering of values that were cumbersome for self and staff
- The need to be present in the lab from dawn to dusk to ensure highest patient care at the cost of personal inconveniences

THE SOLUTION

Dr. Sahni partnered with Attune to completely automate his growing lab operations. Attune's team implemented the LIS solution, a Cloud-based architecture that supports multi-tenancy to deal with the customer's challenges.

- A customized sample tracking workflow was created to manage the sample load and track each sample at any given time during the sample processing cycle.
- An auto approval module was created for normal values to be approved automatically while abnormal values were sent to the doctor for validation
- The team created a unique panic alert system that allowed the system to send an automated alert to the referring physician and the Customer to take action if the test report indicated life threatening abnormal values.
- Being a Cloud based system the doctor could access all the reports on his phone at the comfort of his home



THE IMPACT

The Attune LIS solution offered the following benefits to the customer:

- The load of the reports to be approved reduced dramatically since normal value reports were auto approved
- Since the doctor could access report and approve it from anywhere, he was able to strike a healthy work-life balance and spend more time with his family. The days of waiting in the lab for analyzers to churn out reports were thing of the past
- Through the automated Sample Tracking Workflow and efficient management of the logistics, the Customer could track samples at any given point of time during the life cycle of the sample
- The creation of a special panic alert system allowed the physician to take action on their critical patients immediately, serving as a lifesaving function in the Customer's system

Customer Speak

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The best thing about Attune's LIMS is that it frees up the pathologist's time significantly. Being a doctor & owner of a lab my challenges were primarily about the time it takes to go back and forth to the lab when approving abnormal values in a report with me working really long hours every day. Since we implemented Attune, I'm able to approve reports really fast no matter what time of day or night, from the comfort of my home. This is the best gift I could ask for - the gift of time.

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Dr. Charandeep Singh Sahni
Owner and Chief Pathologist
Helix Pathlabs

To know more about how you can save time, [click here](#).

Technical Stack

- Web Based
- Mobility-Pro

Deployment Model

- Cloud as well as On-Premise
- Multi-Centre, Data Sharing

Architecture

- Hierarchical Security Architecture
- Security & Data Confidentiality - Managed
- Integrated Workflow
- Seamless Integration and Interoperability
- High Volumes - Managed
- Multi-language Support
- Localization Features

About Attune

Attune Technologies is a next-generation healthcare IT company that has pioneered Cloud based products designed to help the entire healthcare ecosystem. Attune's solutions seamlessly integrate Labs, Hospitals, Pharmacies, Blood Banks, Radiology, Medical Devices (IoT), Insurance Companies, and Accounting resulting in increased revenues and operational efficiency. Attune's solutions can be deployed across the spectrum of organizations – starting from single physician clinics to a network of healthcare providers making it the largest Cloud based healthcare IT service provider in the region.



Funded by Norwest Venture Partners and Qualcomm Ventures, Attune is headquartered in Singapore and supports over 20 million patient health records serving 200+ clients spread across 15 countries in the Indian Subcontinent, South East Asia, Middle East and Africa. The company's platform interfaces with over 1100 devices such as lab analyzers and ICU machines to absorb labs into the health network. In interfacing with them, Attune is bringing to life the concept of 'Internet of Things' or a connected universe for the entire healthcare sector.

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