

Expect The Unexpected

Dia.Patho DX

Pathology Information Management System

Process Standardization · Data Structuring · Inventory Transparency



Dia.PathoDx Pathology Information System is a four-pronged integrated pathology information system through the "Standardised Process Management System", " Pathology Department Supply Chain Management System", "ISO15189 Medical Laboratory Pathology Quality Control and Data Management System (Electronic Experiment Notebook, in short ELN)"and the "Pathology Department Specialist Standardisation Training and Dynamic Staff Qualification Management Module". It will complete the digital innovation of pathology diagnostic services based on process standardization, supply chain leaning and data structuring, thus enhancing the further improvement of pathology diagnostic quality.

Daochang Medicine is a provider of high-tech medical services focused on digital health. Daochang Medical has specialized in digital health care for several years and has excellent product development capabilities. Backed by powerful knowledge experience, the company has studied, designed and manufactured products such as pathology information systems and healthcare supply chain management systems.

We maintain the mission to continuously create value for users in the professional field of medical services and to achieve the mission of leading professional services for unlimited value. It contributes professionally to the reform of health care facilities and the progress of the national health care reform.

Glory Hill Canada inc. is the representative office of Shanghai Daochang Medical Science & Technology Co., Ltd. in North America.

Shanghai Daochang Medical Science & Technology Co., Ltd.

Scientific Research

- · Information management of molecular pathology
- · Organization sample library management workstation
- · Reagent clinical trial workstation
- · Scientific research data management workstation

Daily process

 Lean management of the whole process
 Pathological quality control and data management
 Data structured pathological diagnosis workstation

Medical- Education -Research Digital Reform Program

Laboratory Management

 Medical Device&Reagent management
 Intelligent statistical workstation
 HR management & assessment workstation

Education

Internet interactive film reading system
 Online teaching platform for special courses
 Internal theory examination system & Skill examination system

Shanghai Daochang Medical Science & Technology Co., Ltd.



Whole Process Management

System: Construction Goal

Sample reception

Phonetic material
 Gross video storage
 Structured sampling
 information entry

Sampling

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Section One-to-one

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Staining

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Embedding

·Voice broadcast prompt ·Scan confirmation Quality Control • internal quality control • Instrument management • Reagent managromont

• Diagnostic cockpit • WYSIWYG reporting interface • Structured report e

Basic construction of routine pathology

Dehydration

01 To realize the whole process scan code management

02 Build standardized quality control sheet in the system 03 Structured Sampling & Report

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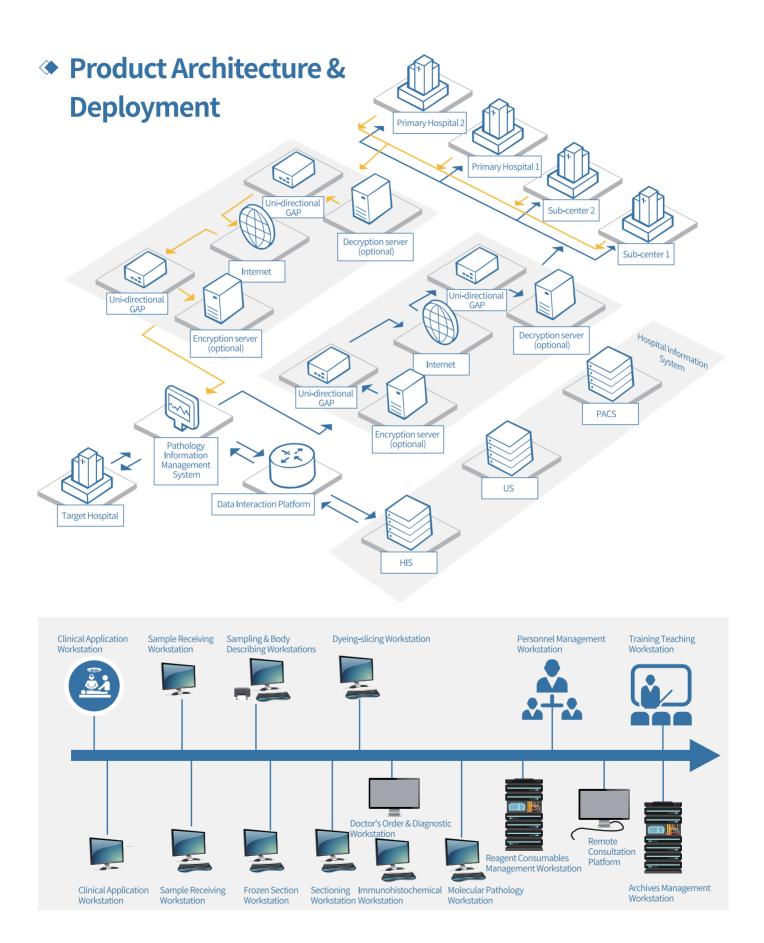
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Whole process management informatization

• Easy to operate and save time

- Data can be traced back and work can be quantified
- Data-based empowers pathological development





Physician's Order To Report Workstation

	Holographic diagnostic cockpit.
02	It takes over from ICCR's data-structured pathology report editing.
03	Interconnect with HIS, provide dynamic diagnosis interface, and support viewing other examination results of the same patient.
04	Record traces of modification of pathological reports for traceability investigation.
05	Multiple orders can be placed, and the payment amount is automatically calculated, and the order is displayed on the corresponding workstation after a successful deduction.
06	Conflict monitoring prompt of pathological diagnosis results and pop-up prompt of pathological results keywords.

Physician's Order To Report Workstation >>>

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Expect The Unexpected 03/04

Registration Workstation

Registration Workstation >>>

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Support manual entry and code scanning (bar code or QR code) to retrieve patient-related information in HIS system.
 Record the reasons for rejection of unqualified specimens and generate statistical reports.
 Record the details of the specimen for inspection, including specimen name, in vitro time, fixed time and receiving time.
 Support paper application forms to be photographed to generate electronic files.
 The system automatically carries out "search of the same name" and automatically prompts "previous examinations" to accurately lock the patient's historical examination.



Sampling & Describing Workstation

Sampling monitoring: Sampling video sectioning is linked to case storage and supports audio recording and voice recognition; supports body shots with markings and measurements.

02

01

Automatically load case-related information, provide templates visible to the naked eye, and support direct right-click addition or modification on the current page.

03

04

Mark specimens taken from small tissues, skin, mucosal biopsies, etc. and alert the embedding and sectioning technician to this.

The system automatically prints the embedding box according to the material record, so as to eliminate waste and reduce heavy and supplementary operation.

05

The system intelligently provides a one-to-one description of what the current specimen looks like to the naked eye after the retrieving physician scans the specimen QR code to obtain the current retrieved specimen.

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Workstation>>>

Expect The Unexpected 05/06

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Tissue Preprocessing Workstation

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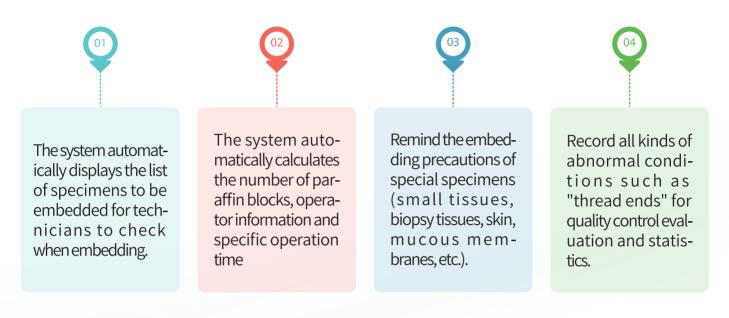
ай Q Tissue Preprocessing Workstation>>>

The dehydration workstation is associated with the equipment, monitors the running status of the dehydrator in real time, and alarms the abnormal situation by SMS. It is able to track the dehydration status of each sample, including information on start time, running procedure, end time, operating technician, etc.

Moreover, it provides tissue pre-treatment quality control statistics.



Embedding Workstation



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Embedding Workstation >>>



Expect The Unexpected 07/08

Sectioning Workstation

01

03

Sectioning Workstation >>>

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The system automatically displays the list of specimens to be sectioned and the doctor's orders records of re-cutting, deep depth, immunohistochemistry and special staining.

Interface will display information about the wax block when the barcode is scanned, including the total number of paraffin blocks for the pathology information, the current number of wax blocks, the number of sections for the block and the current number of sections.

A QC evaluation can be performed on the embedding box and the data from the evaluation will be entered into the final QC statistics .

Support the combination and sectioning of multi-paraffin blocks.

It automatically displays the total number of slicing tasks for the day, the number of sections sliced by the current user, etc., and records the technician workload for the section session.



Staining Workstation





Staining Workstation

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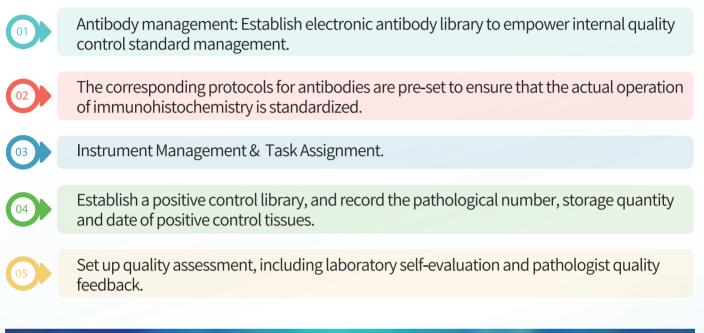


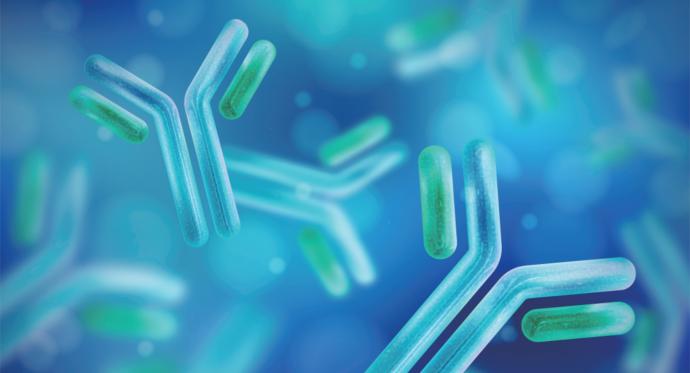




Immunohistochemical Workstation

It is not only a transfer station to receive doctor's orders, but also a management station to carry out the internal quality control of immunohistochemistry informatics.





Molecular Pathology Workstation



Different diagnostic interfaces will be automatically displayed according to the doctor's advice items corresponding to molecular pathology.

Provide a separate field for molecular pathology number to facilitate statistics on molecular pathology data, which can be combined to query or count cases based on multiple criteria.

03

Realize the quality control of molecular pathology samples and process.



Integrate various molecular detection platforms, and integrate samples and data.



Precipitation mining and reuse of structural report data of molecular pathology.



Cytopathology Workstation

Clear classification: It provides diagnosis and reporting functions of general cytology, gynecological and non-gynecological liquid-based cytology.



01

It will automatically identify positive cases and provide statistics on the positivity rate according to the definition.



TCT and histology report positive diagnostic compliance statistics enables you to count the compliance in various positive TCT cases and histology reports.



Positive age distribution statistics of TCT that numbers and postive rate of various types of positive patients are counted by age group.



Internal medical advice can be requested: immunohistochemistry, special stains, molecular pathology, re-section, etc.



Pathology Quality Control and Data Management System Based on ISO15189

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13 statistical indicators of medical quality control in pathology specialty are fully covered in real time.

Automatic tracking and recording of each working site can change the bottleneck that samples are difficult to trace and problems are difficult to query, and realize the uniqueness and traceability of samples. Ensure the accuracy and timeliness of records.

03

Support a variety of query methods, such as using pathology number and other information, and install workstations at any time to query the current circulation position of samples, historical circulation operation records, operators and specific operation time.



It provides inquiry on quality issues, total workload, workload of each position, etc. in terms of time dimension statistics.



It can track the real-time flow position of samples and count the TAT turnaround time of each process.



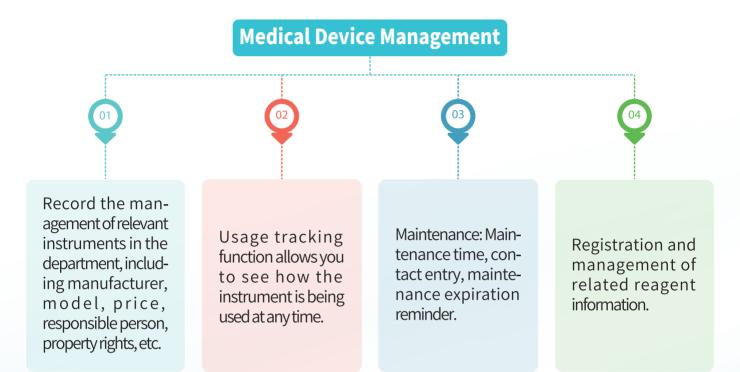
Error and accident registration can record the causes, rectification results and treatment methods of errors and accidents in departments.



More dimensions of quality control statistics: excellent and good rate of sampling, excellent and good rate of embedding, statistics of communication events with clinic, coincidence rate of liquid-based diagnosis, number of malignant tumors, cytological positive rate, etc.



Medical Device Management Workstation



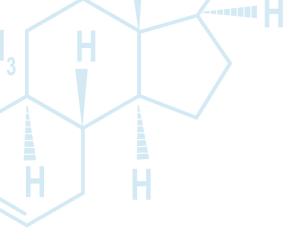
Reagent management



Personnel Standardized Training Management and Assessment Workstation









Digital Innovation Solution of Pathology department

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- Strengthen the development of the synergistic quality of the Department of Pathology in Medicine, Teaching and Research

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