Developing Surgical Audit Database to Measure Performance and Outcome of Surgical Services.

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By

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Faculty of Medicine, Cairo University

" … surgery without audit is like playing cricket without keeping the score."

(*Hugh Brendon Devlin 1932-1998, Founding Director of the Surgical Epidemiology and Audit Unit, Royal College of Surgeons of England)*

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Goals & Objectives

Clinical audit is a process used by clinicians who seek to improve patient care. The process involves comparing aspects of care (structure, process & outcome) against explicit criteria

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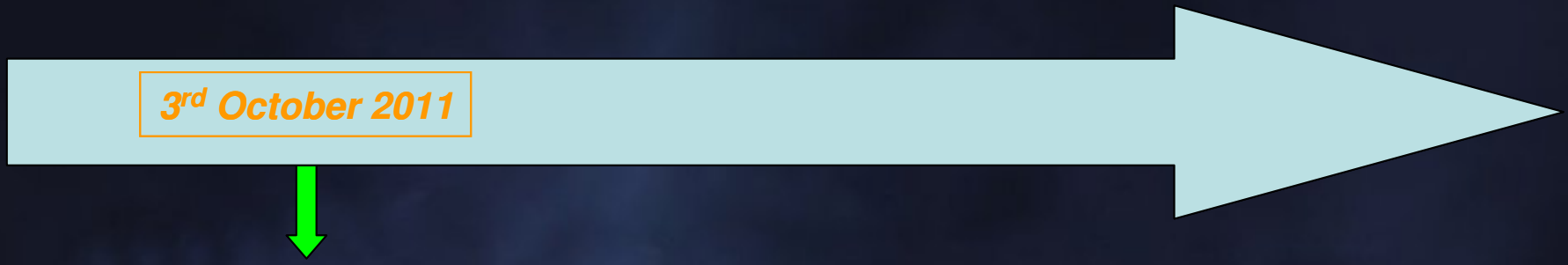
1. Descriptive analysis and demographic distribution of patients.
2. Mean Total hospital stay, length of preoperative period, length of postoperative period, duration between final decision and actual management and there correlation with diagnosis and surgical procedures.
3. Types and categories of surgical procedures performed by surgical units and there correlation with the surgeons performing the procedures (Residents, ……., Professors).
4. Number of laboratory, radiological and endoscopic investigations done for patients and their significance in relation to different diseases.
5. Morbidity and Mortality rates.
6. Specific complication rates and their correlation to different prognostic parameters (ASA, DM, ICU admission, ….. Etc.)
7. Pattern of different pathological conditions.
8. Need for postoperative adjuvant (or other) therapy (transfer, chemotherapy, radiotherapy, immunotherapy and physiotherapy).
9. Re-admission rates after day surgery or within 5 days from discharge.

Time line



Developing Database	Approval Process	Designing Database	Training residents & Testing	Data entry	Analysis and Reporting

Incentives & estimated cost "Budget" = Sustainability

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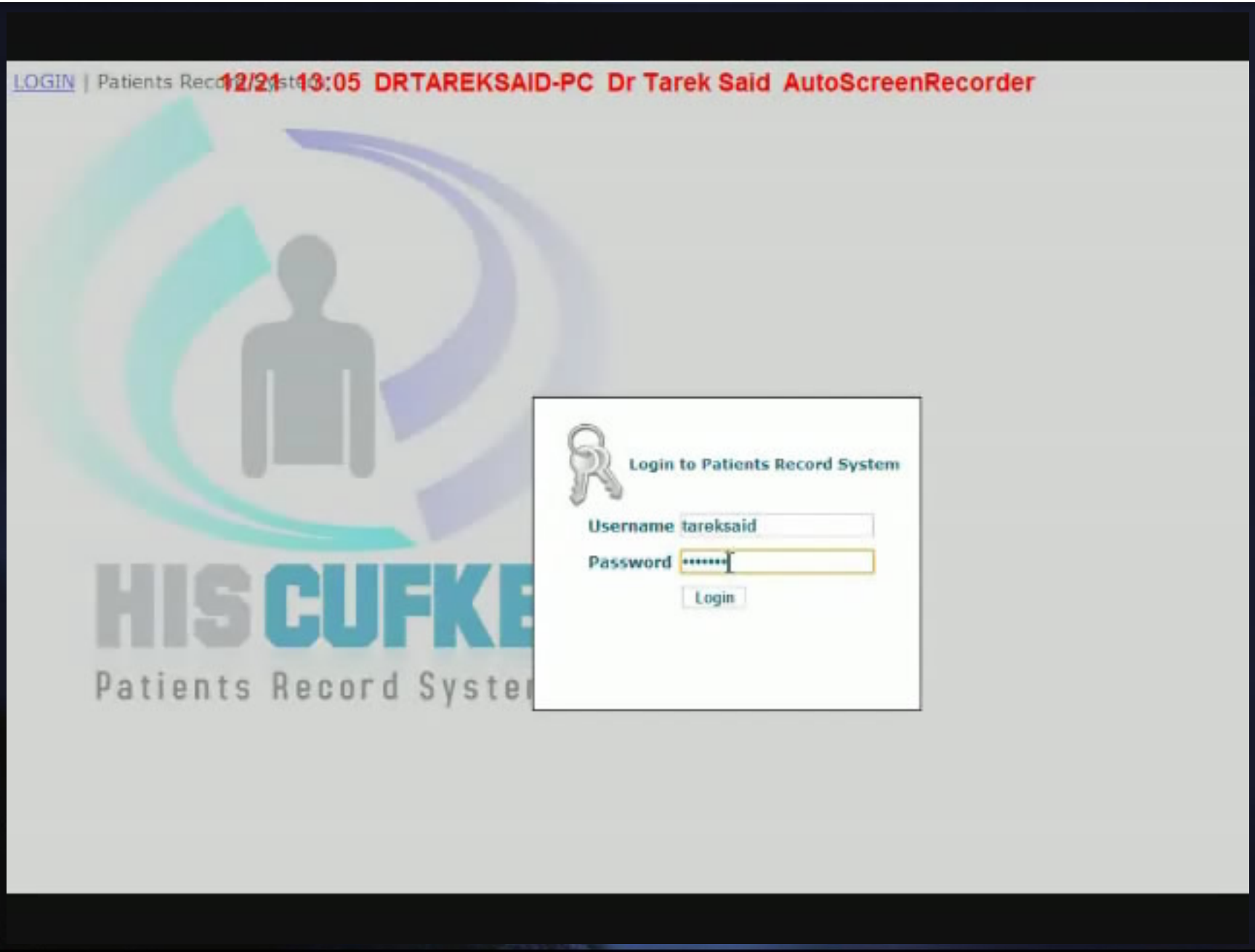

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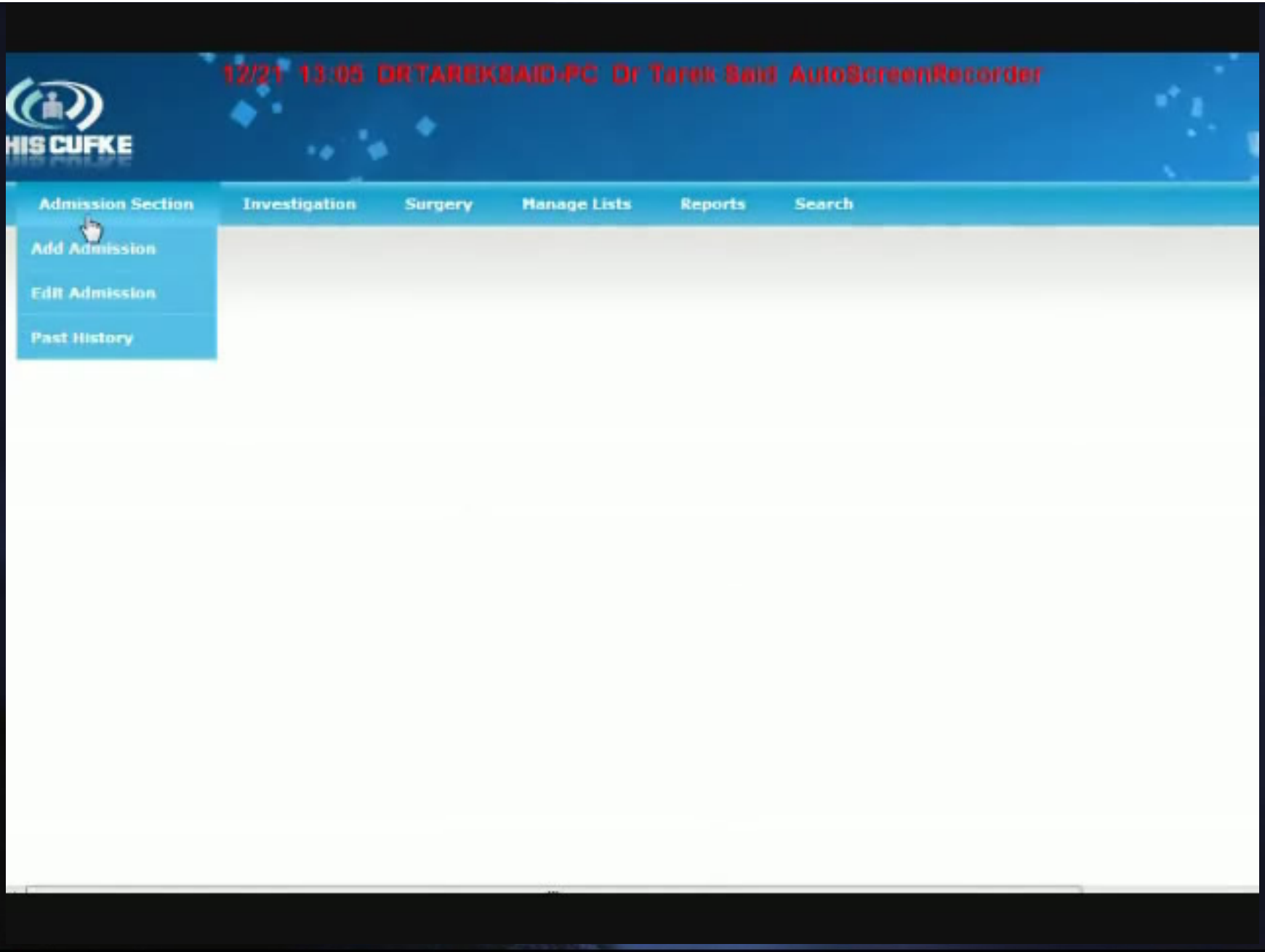
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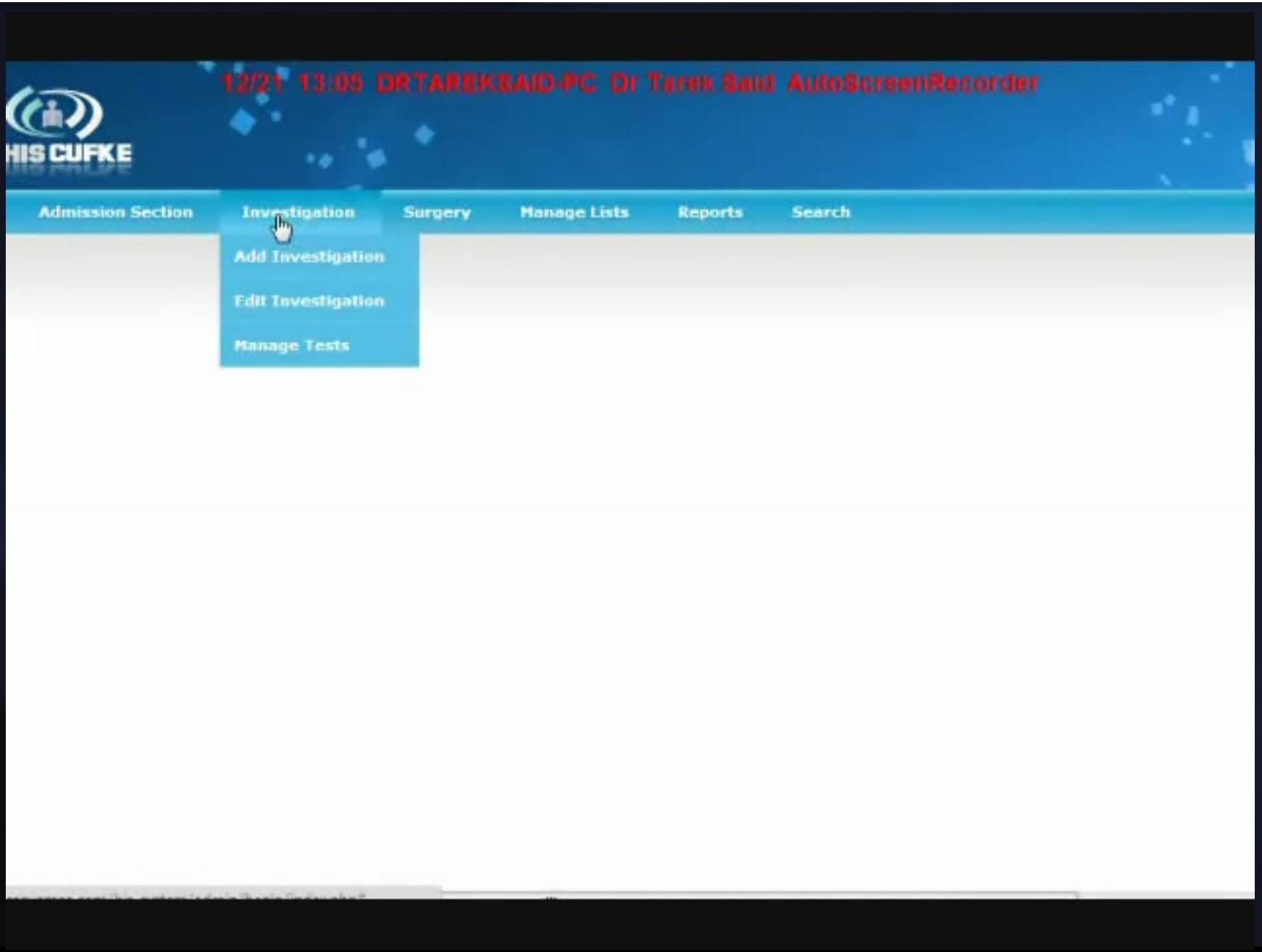
HIS CUFKE
Admission Section
Investigation
Surgery
Manage Lists
Reports
Search
Add Admission
Edit Admission
Past History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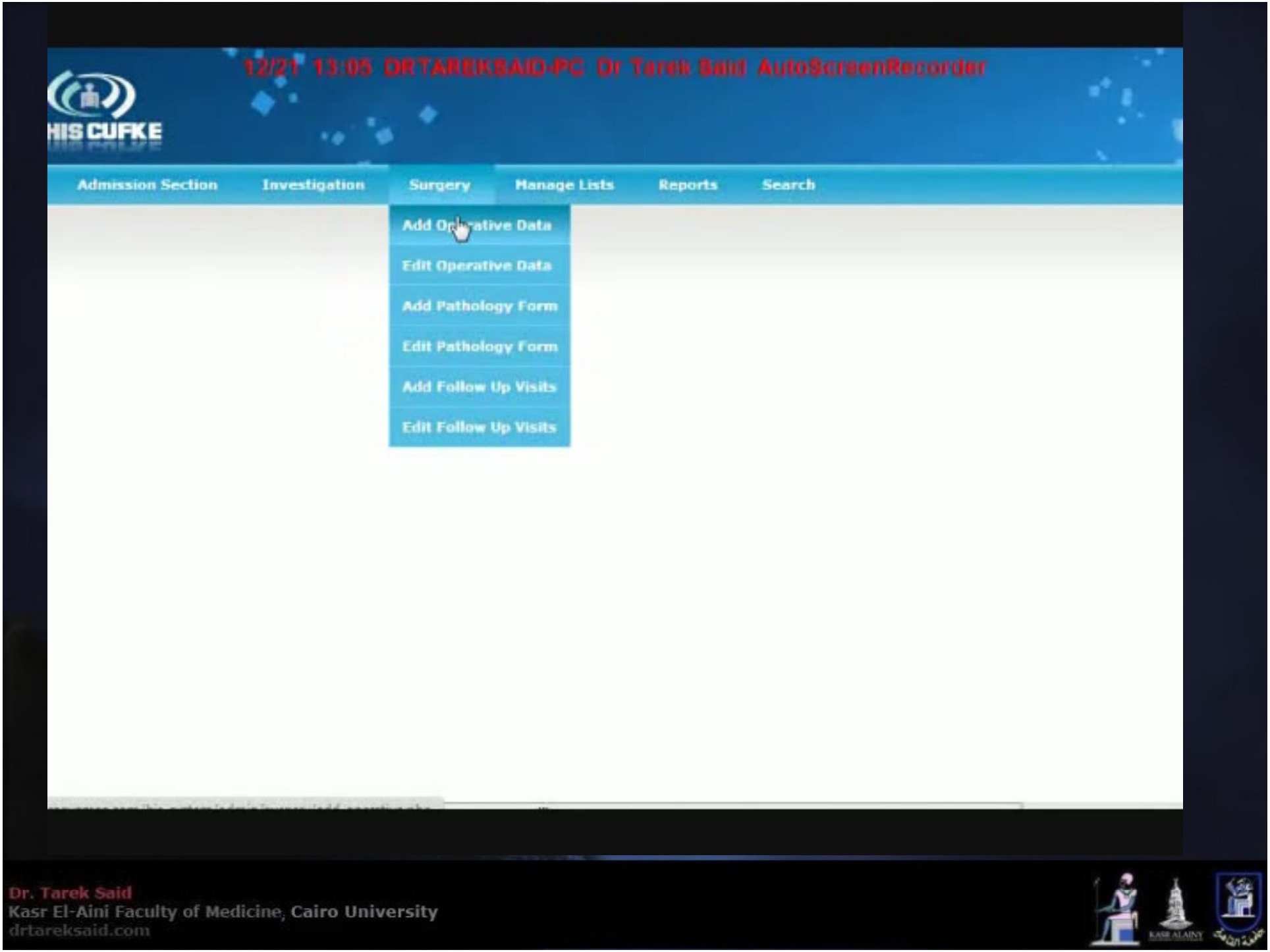
Surgery
Manage Lists
Reports
Search
Add Investigation
Edit Investigation
Manage Tests



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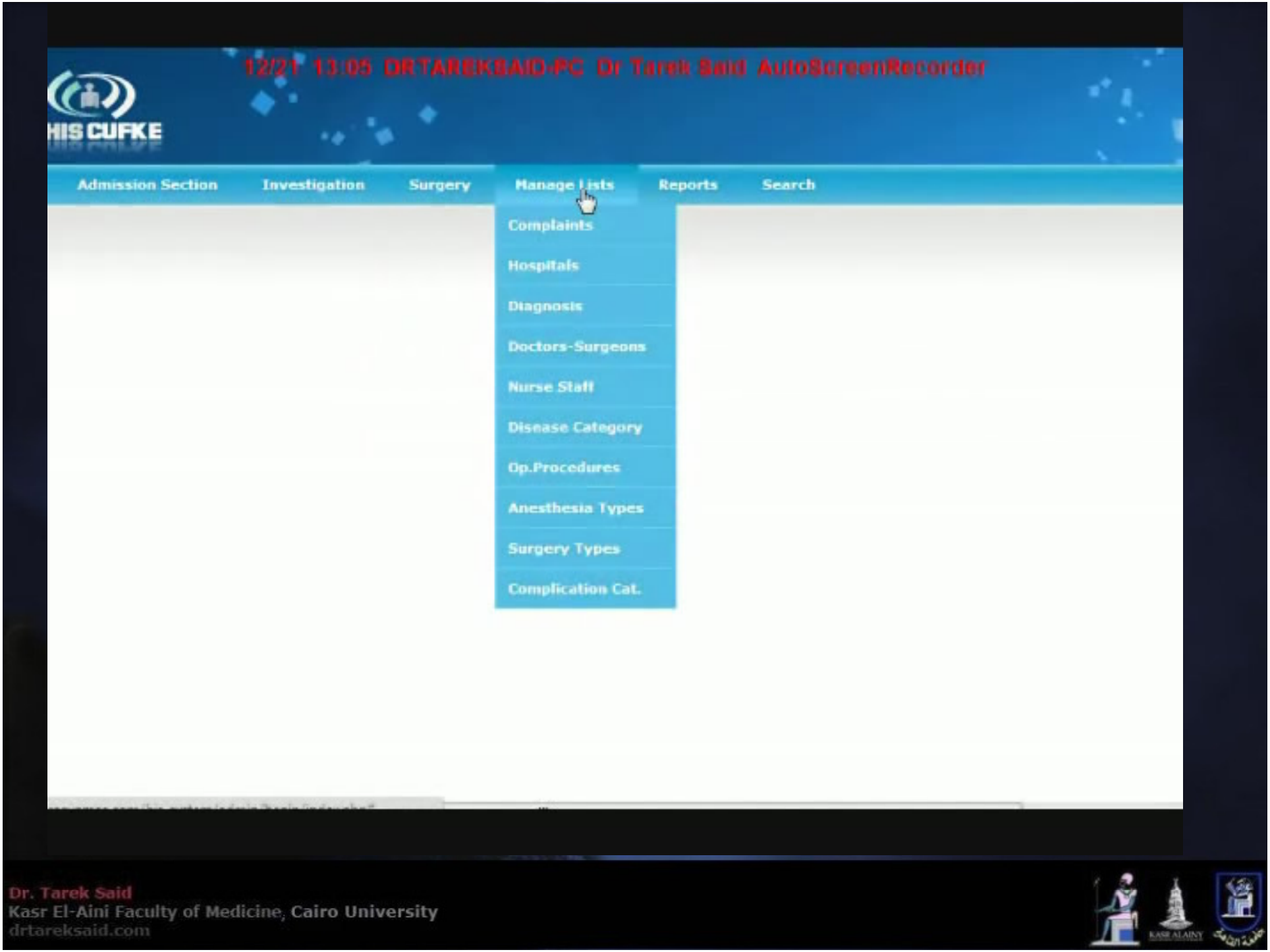

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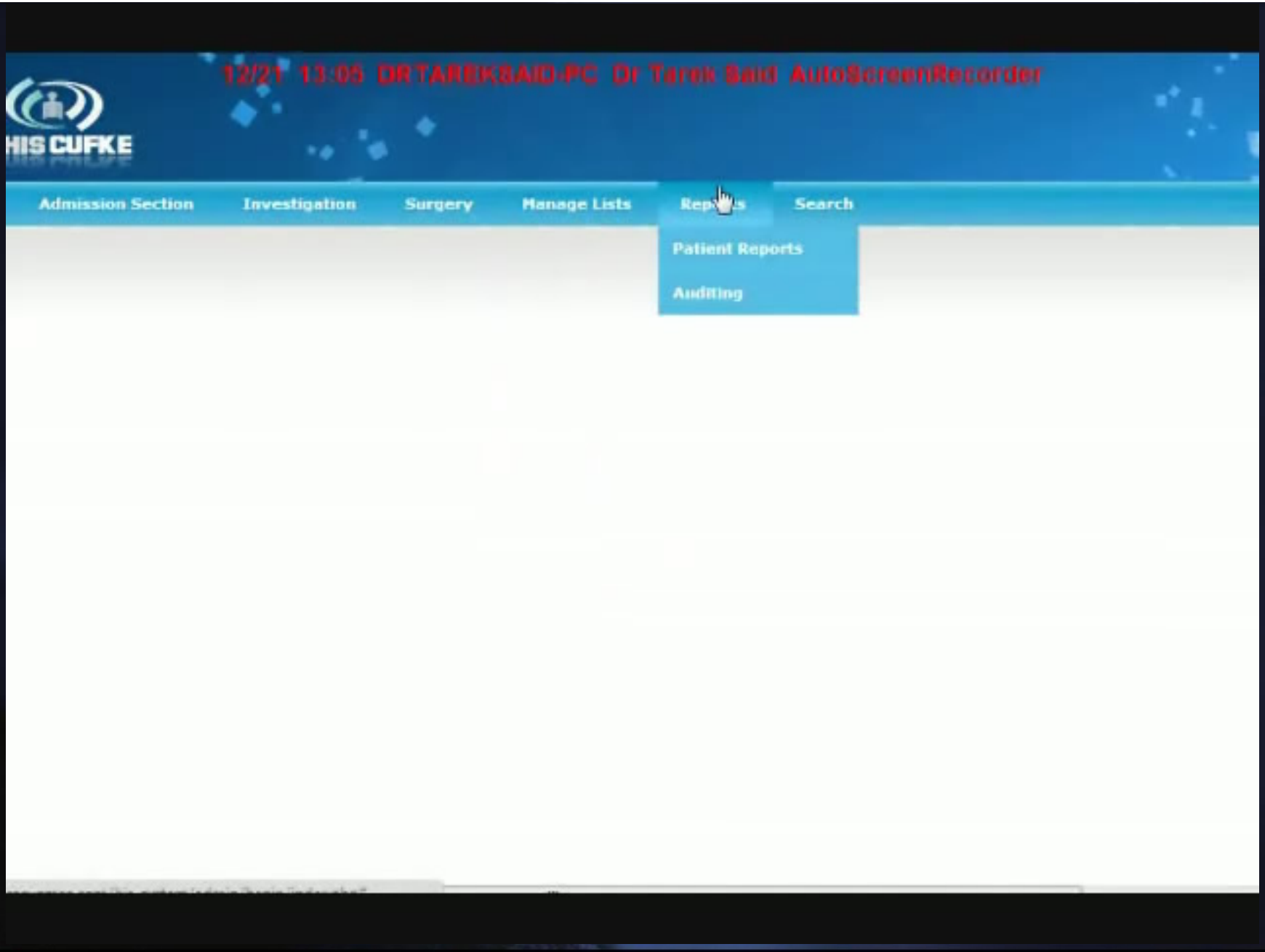
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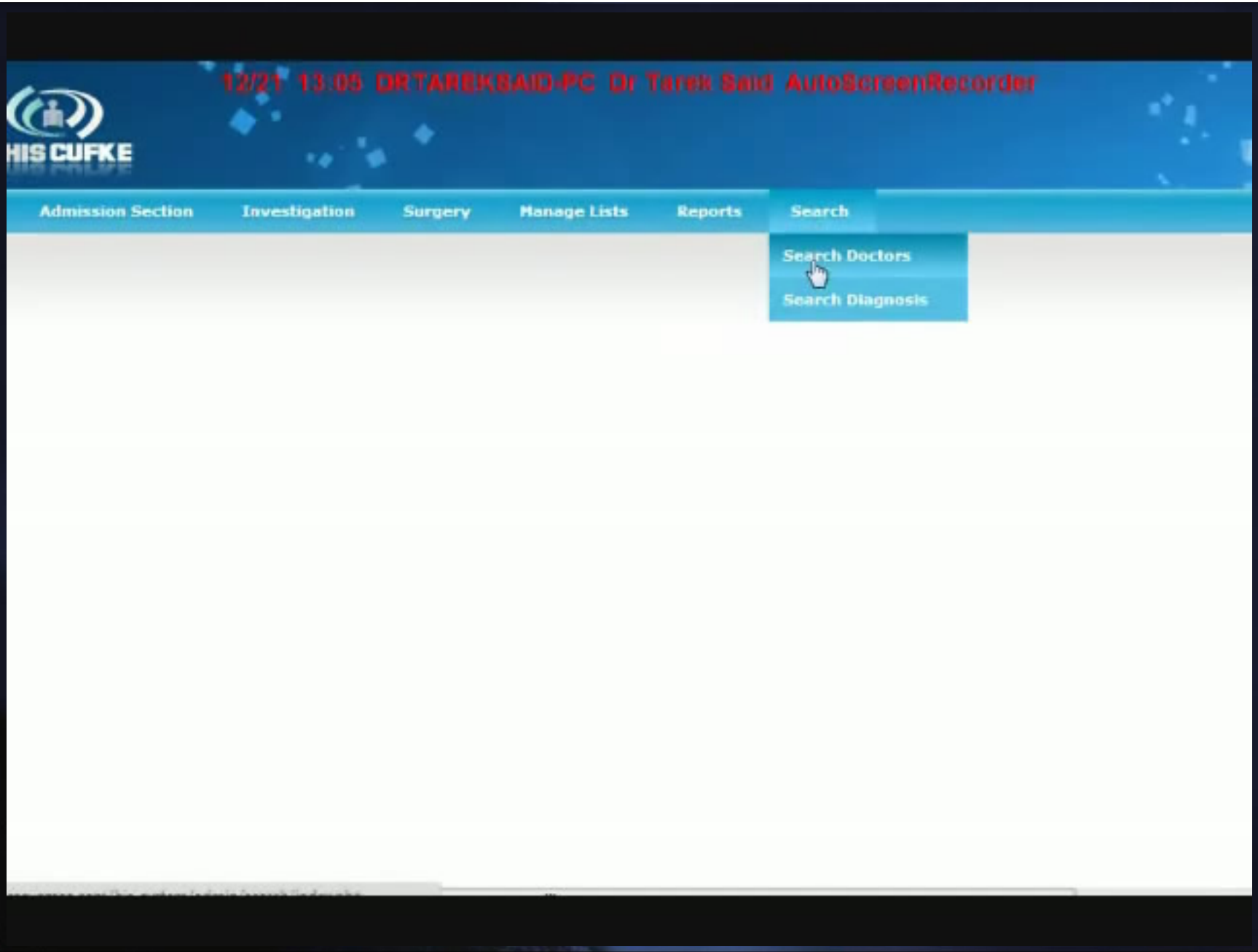
Investigation
Surgery
Manage Lists
Search
Patient Reports
Auditing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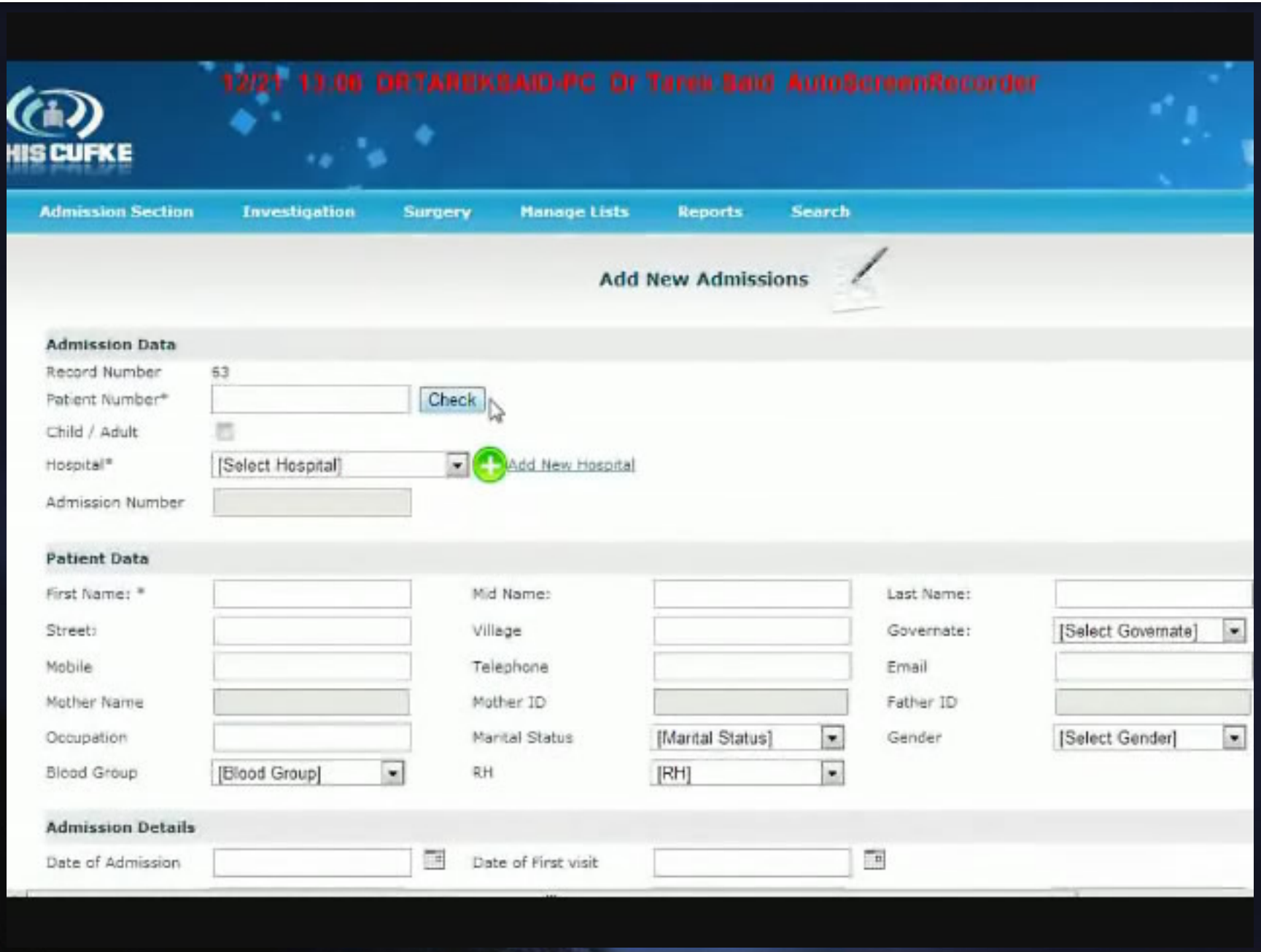
Admission Section
Investigation
Surgery
Manage Lists
Reports
Search
Search Doctors
Search Diagnosis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HIS CUFKE
Admission Section
Investigation
Surgery
Manage Lists
Reports
Search
Add New Admissions
Admission Data
Record Number
63
Patient Number*
Check
Child / Adult
Hospital*
[Select Hospital]
Add New Hospital
Admission Number
Patient Data
First Name: *
Mid Name:
Last Name:
Street:
Village
Governate:
[Select Governate]
Mobile
Telephone
Email
Mother Name
Mother ID
Father ID
Occupation
Marital Status
[Marital Status]
Gender
[Select Gender]
Blood Group
[Blood Group]
RH
[RH]
Admission Details
Date of Admission
Date of First visit

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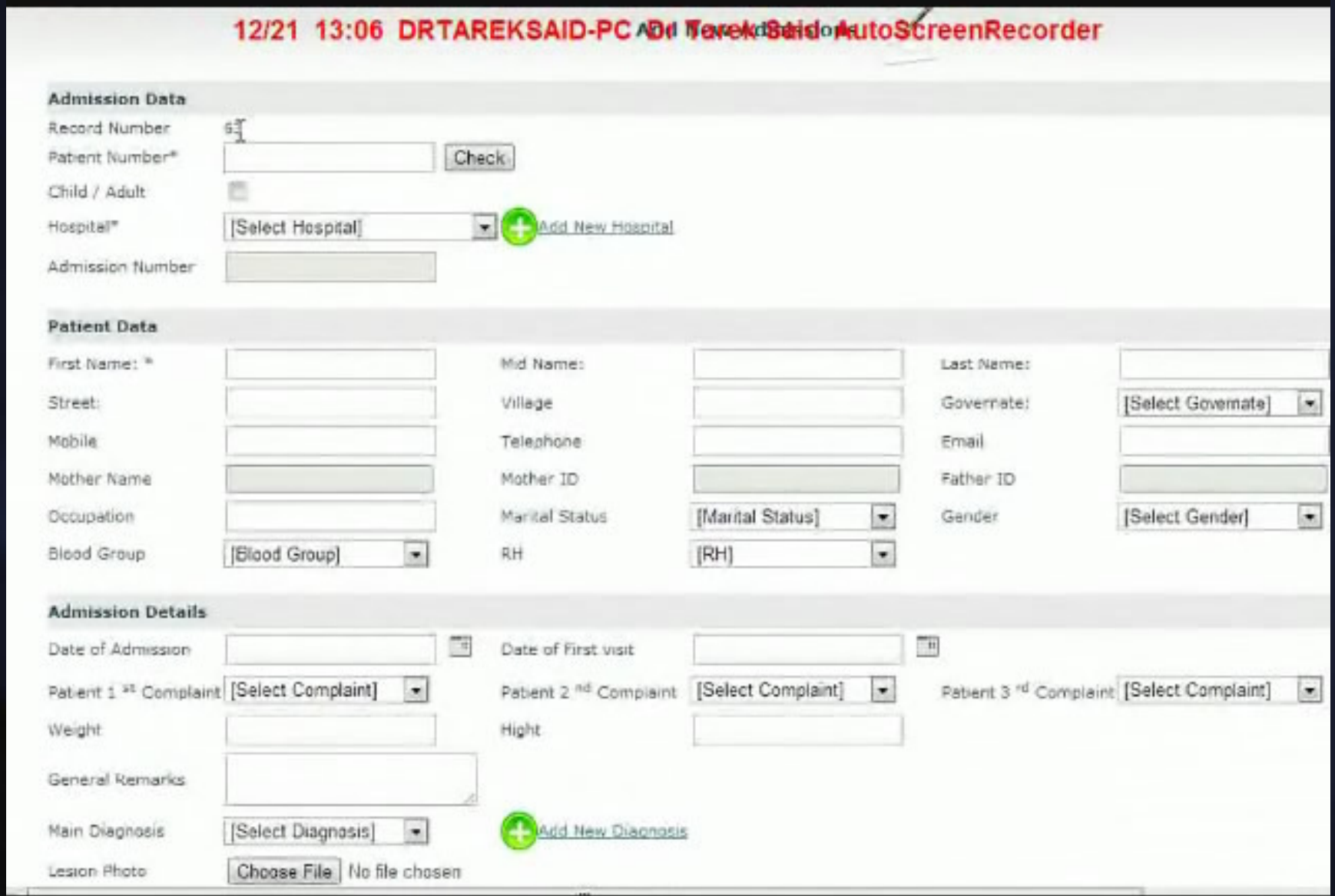


Admission Data

Record Number 6

Patient Number* [ ] Check

Child / Adult [ ]

Hospital* [Select Hospital] Add New Hospital

Admission Number [ ]

Patient Data

First Name: *		Mid Name:		Last Name:	
Street:		Village		Governate:	[Select Governate]
Mobile		Telephone		Email	
Mother Name		Mother ID		Father ID	
Occupation		Marital Status	[Marital Status]	Gender	[Select Gender]
Blood Group	[Blood Group]	RH	[RH]		

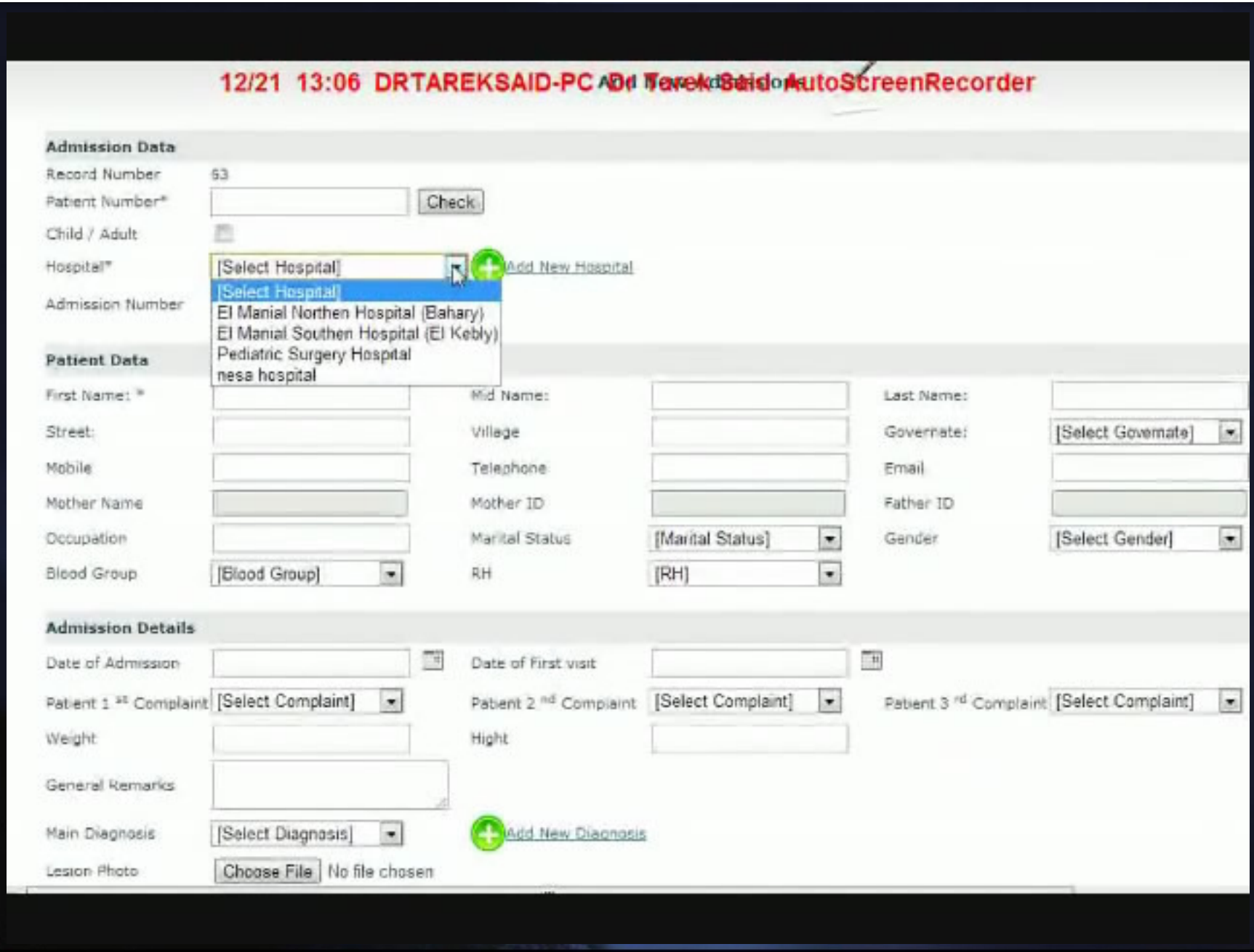
Admission Details

Date of Admission		Date of First visit			
Patient 1 st Complaint	[Select Complaint]	Patient 2 nd Complaint	[Select Complaint]	Patient 3 rd Complaint	[Select Complaint]
Weight		Hight			

General Remarks [ ]

Main Diagnosis [Select Diagnosis] Add New Diagnosis

Lesion Photo Choose File No file chosen


12/21 13:06 DRTAREKSAID-PC Dr Tarek Said AutoScreenRecorder
Admission Data
Record Number
63
Patient Number*
Check
Child / Adult
Hospital*
[Select Hospital]
Add New Hospital
Admission Number
[Select Hospital]
El Manial Northen Hospital (Bahary)
El Manial Southen Hospital (El Kebly)
Pediatric Surgery Hospital
nesa hospital
Patient Data
First Name: *
Mid Name:
Last Name:
Street:
Village
Governate:
[Select Governate]
Mobile
Telephone
Email
Mother Name
Mother ID
Father ID
Occupation
Marital Status
[Marital Status]
Gender
[Select Gender]
Blood Group
[Blood Group]
RH
[RH]
Admission Details
Date of Admission
Date of First visit
Patient 1 st Complaint
[Select Complaint]
Patient 2 nd Complaint
[Select Complaint]
Patient 3 rd Complaint
[Select Complaint]
Weight
Hight
General Remarks
Main Diagnosis
[Select Diagnosis]
Add New Diagnosis
Lesion Photo
Choose File
No file chosen

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Mobile | Telephone | Email

Mother Name | Mother ID | Father ID

Occupation | Marital Status [Marital Status] | Gender [Select Gender]

Blood Group [Blood Group] | RH [RH]

Admission Details

Date of Admission | Date of First visit

Patient 1 st Complaint [Select Complaint] | Patient 2 nd Complaint [Select Complaint] | Patient 3 rd Complaint [Select Complaint]

Weight | Hight

General Remarks

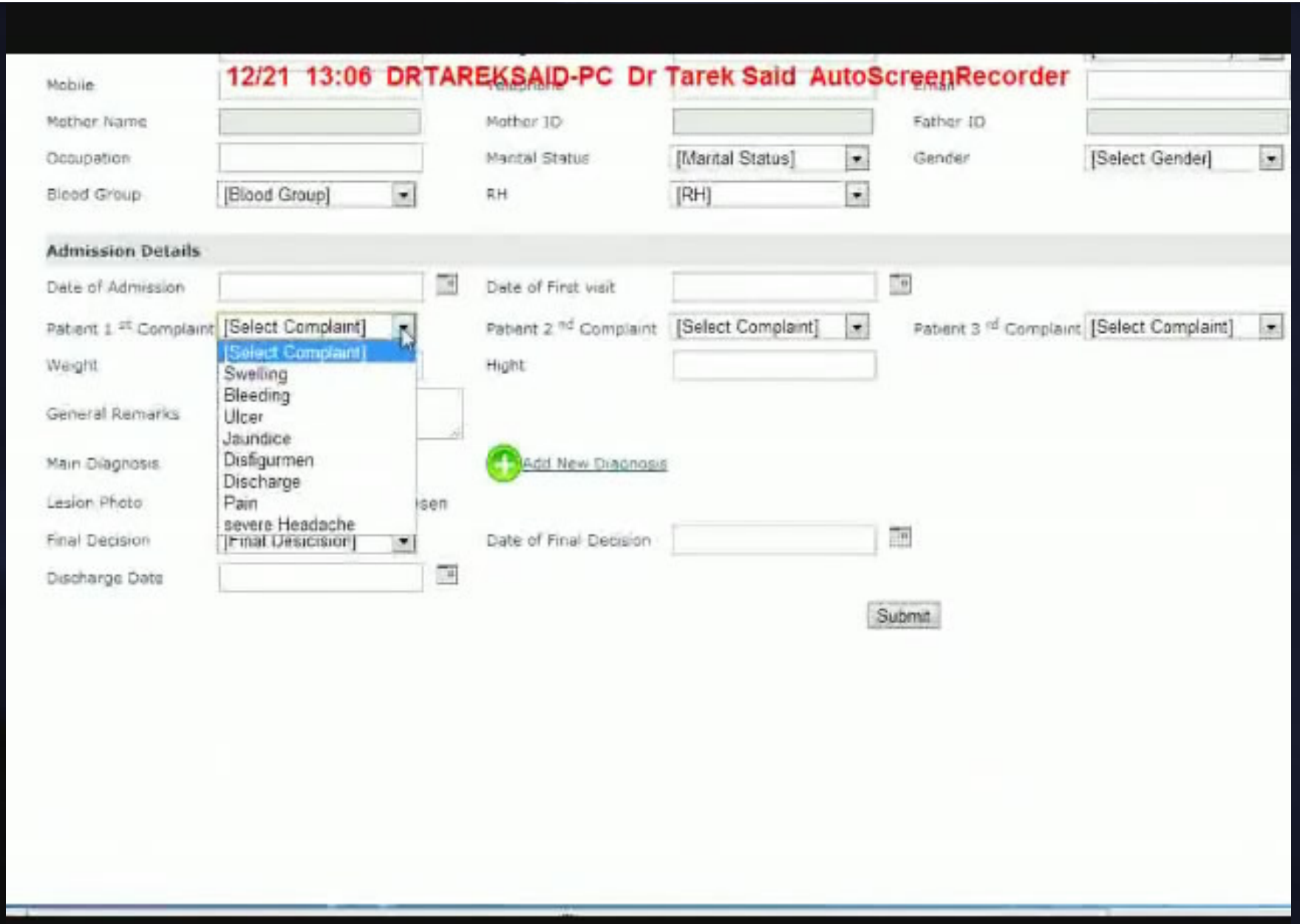
Main Diagnosis [Select Diagnosis] | Add New Diagnosis

Lesion Photo Choose File No file chosen

Final Decision [Final Desicision] | Date of Final Decision

Discharge Date

Submit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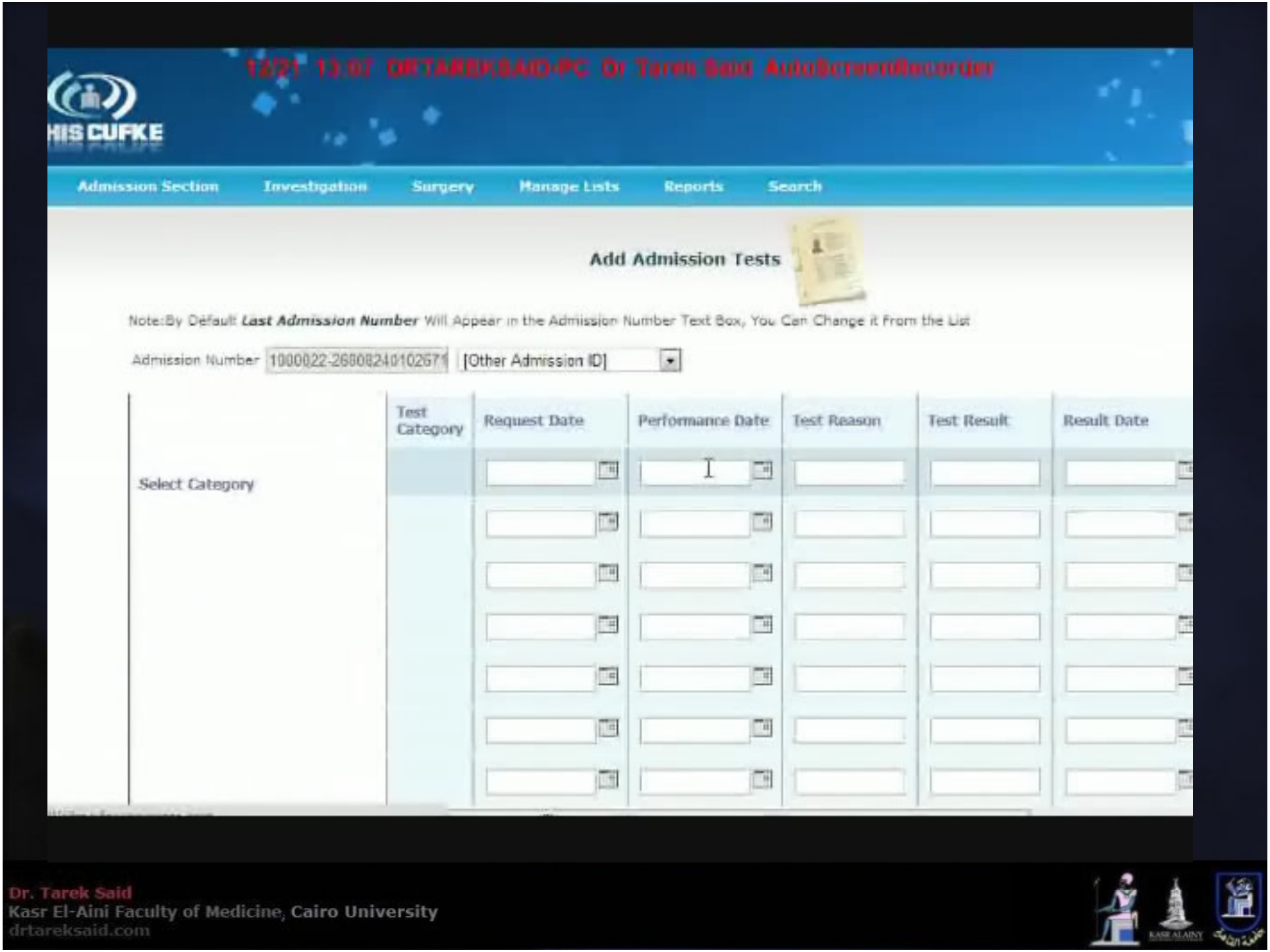
Mobile
Mother Name
Mother ID
Father ID
Occupation
Marital Status
[Marital Status]
Gender
[Select Gender]
Blood Group
[Blood Group]
RH
[RH]
Admission Details
Date of Admission
Date of First visit
Patient 1 st Complaint
[Select Complaint]
Patient 2 nd Complaint
[Select Complaint]
Patient 3 rd Complaint
[Select Complaint]
[Select Complaint]
Swelling
Bleeding
Ulcer
Jaundice
Disfigurmen
Discharge
Pain
severe Headache
Weight
Hight
General Remarks
Main Diagnosis
Add New Diagnosis
Lesion Photo
Final Decision
[Final Desicision]
Date of Final Decision
Discharge Date
Submit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Admission Section
Investigation
Surgery
Manage Lists
Reports
Search
Add Admission Tests
Note:By Default Last Admission Number Will Appear in the Admission Number Text Box, You Can Change it From the List
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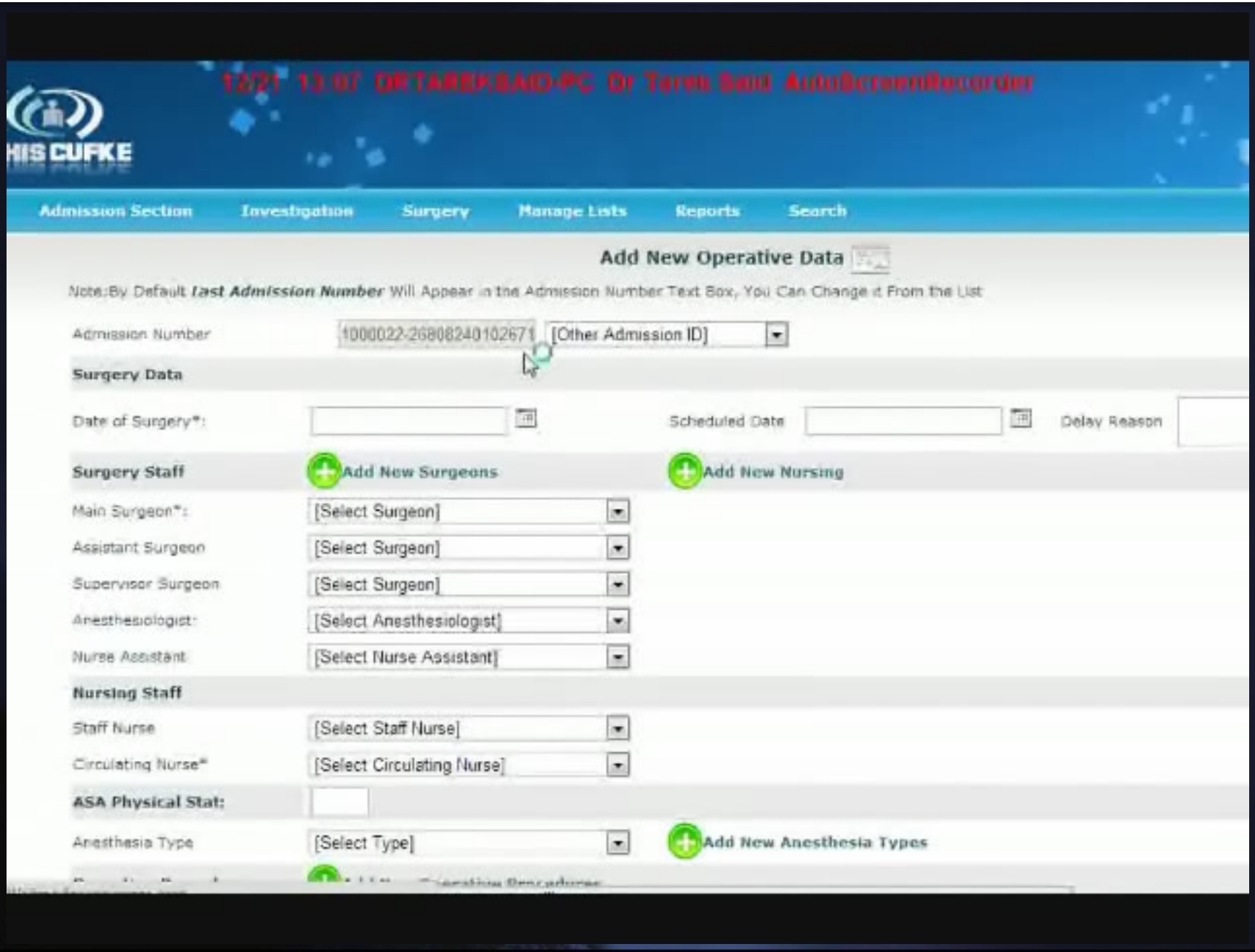
[Other Admission ID]
Test Category
Request Date
Performance Date
Test Reason
Test Result
Result Date
Select Category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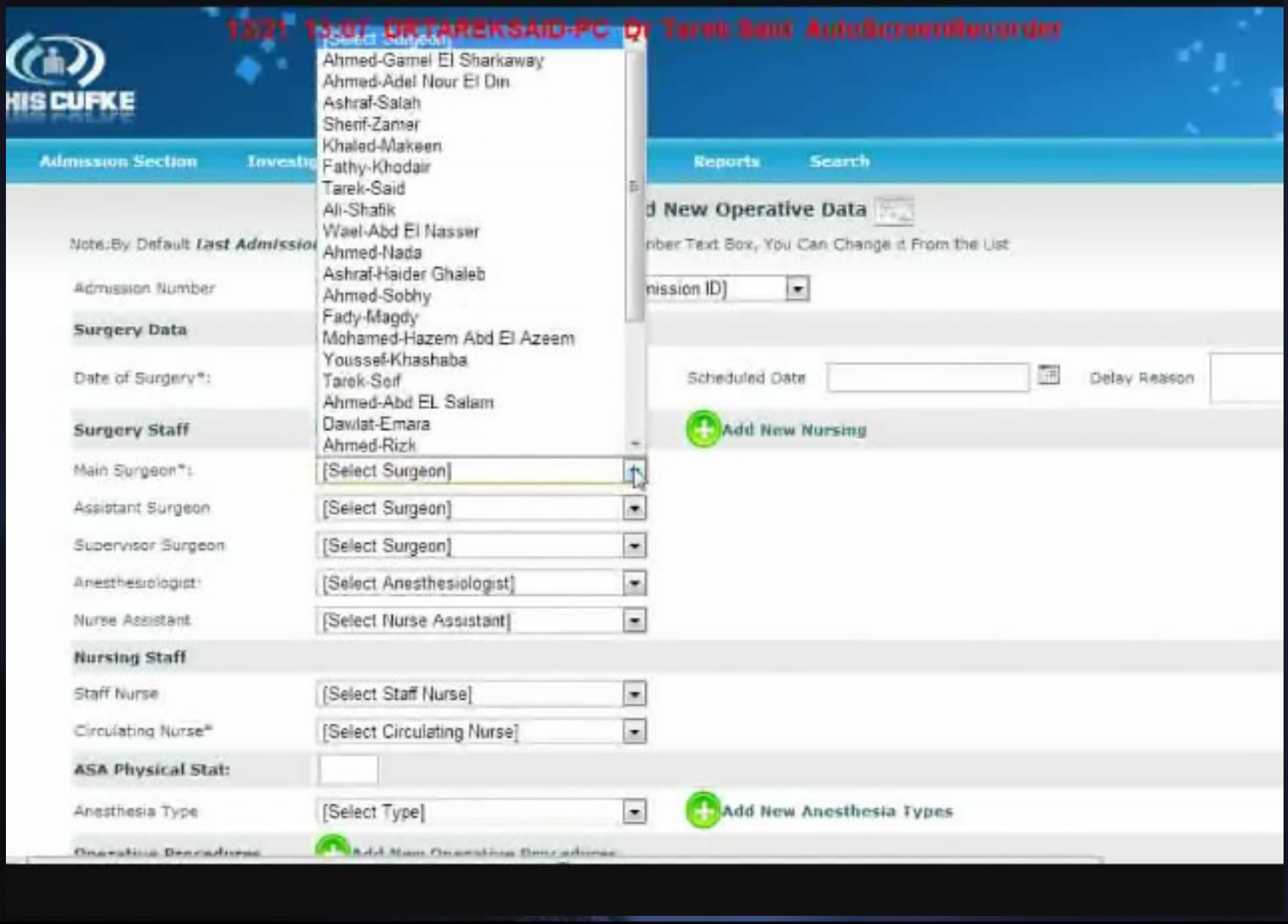
HIS CUFKE
Admission Section
Investigation
Surgery
Manage Lists
Reports
Search
Add New Operative Data
Note:By Default Last Admission Number Will Appear in the Admission Number Text Box, You Can Change it From the List
Admission Number
1000022-26808240102671
[Other Admission ID]
Surgery Data
Date of Surgery*:
Scheduled Date
Delay Reason
Surgery Staff
Add New Surgeons
Add New Nursing
Main Surgeon*:
[Select Surgeon]
Assistant Surgeon
[Select Surgeon]
Supervisor Surgeon
[Select Surgeon]
Anesthesiologist:
[Select Anesthesiologist]
Nurse Assistant
[Select Nurse Assistant]
Nursing Staff
Staff Nurse
[Select Staff Nurse]
Circulating Nurse*
[Select Circulating Nurse]
ASA Physical Stat:
Anesthesia Type
[Select Type]
Add New Anesthesia Types


Admission Section
Reports
Search
New Operative Data
Note:By Default Last Admissio
Admission Number
Surgery Data
Date of Surgery*:
Scheduled Date
Delay Reason
Surgery Staff
Add New Nursing
Main Surgeon*:
Assistant Surgeon
Supervisor Surgeon
Anesthesiologist:
Nurse Assistant
Nursing Staff
Staff Nurse
Circulating Nurse*
ASA Physical Stat:
Anesthesia Type
Add New Anesthesia Types
[Select Surgeon]
[Select Anesthesiologist]
[Select Nurse Assistant]
[Select Staff Nurse]
[Select Circulating Nurse]
[Select Type]
Ahmed-Gamel El Sharkaway
Ahmed-Adel Nour El Din
Ashraf-Salah
Sherif-Zaher
Khaled-Makeen
Fathy-Khodair
Tarek-Said
Ali-Shafik
Wael-Abd El Nasser
Ahmed-Nada
Ashraf-Haider Ghaleb
Ahmed-Sobhy
Fady-Magdy
Mohamed-Hazem Abd El Azeem
Youssef-Khashaba
Tarek-Seif
Ahmed-Abd EL Salam
Dawlat-Emara
Ahmed-Rizk

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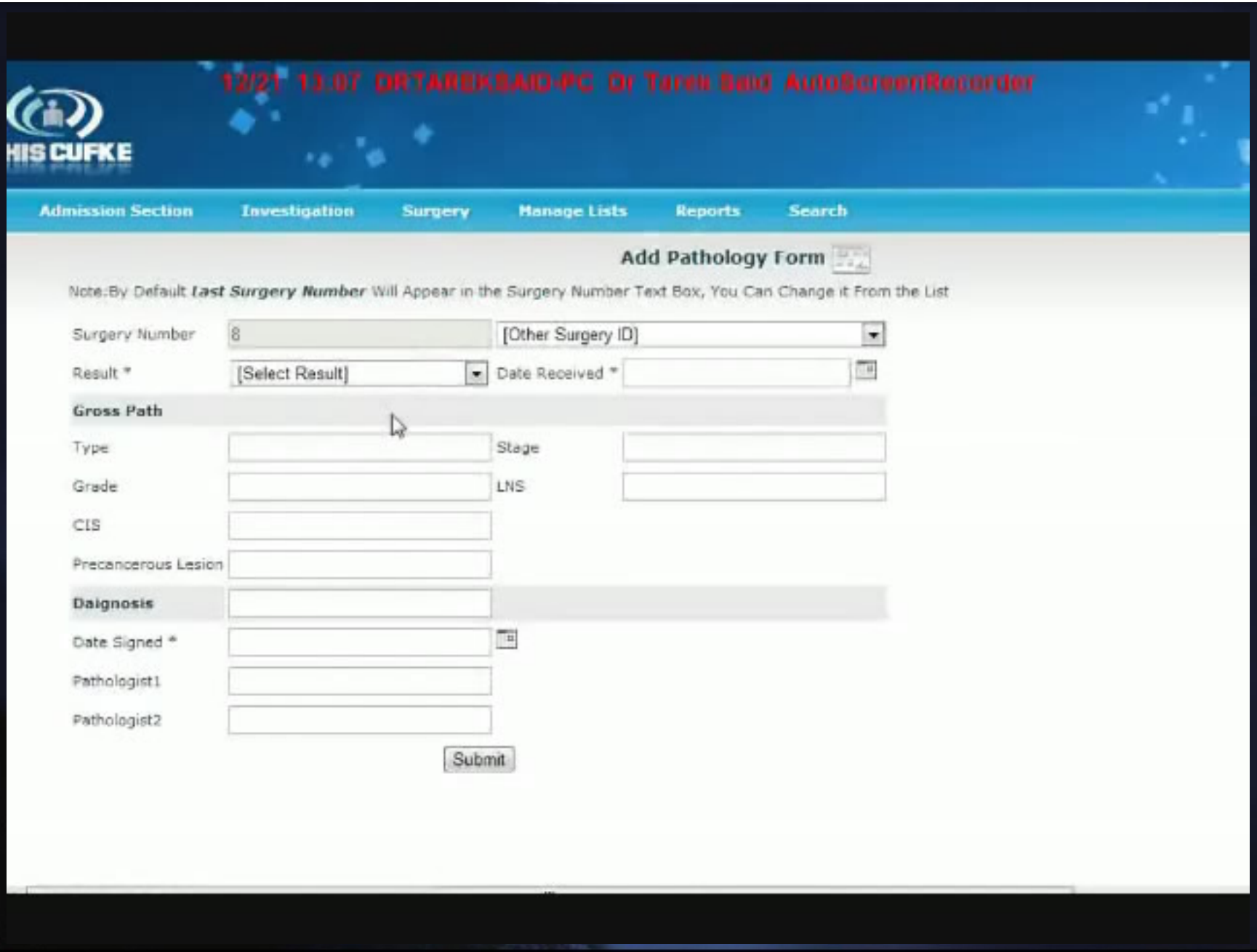
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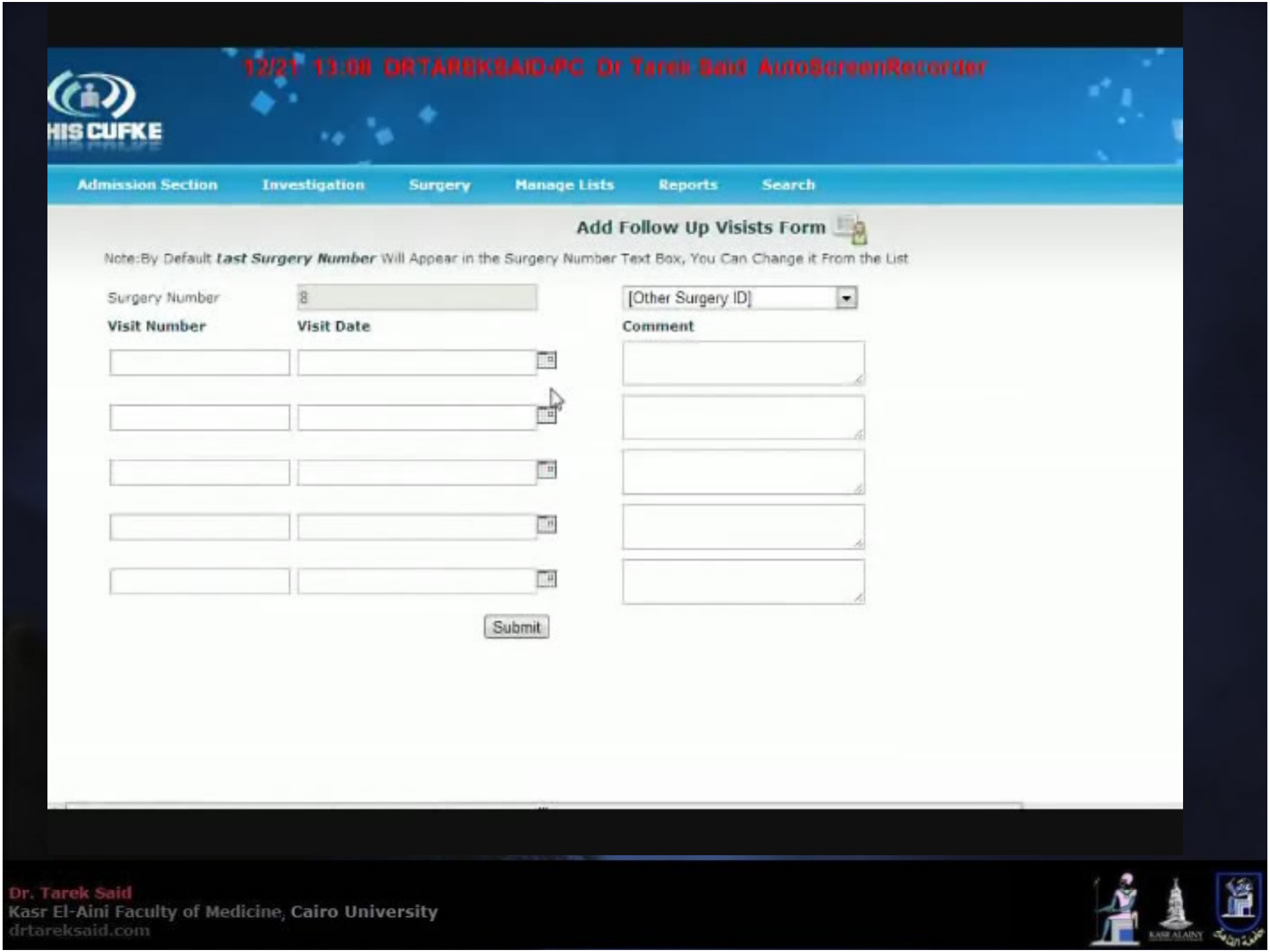
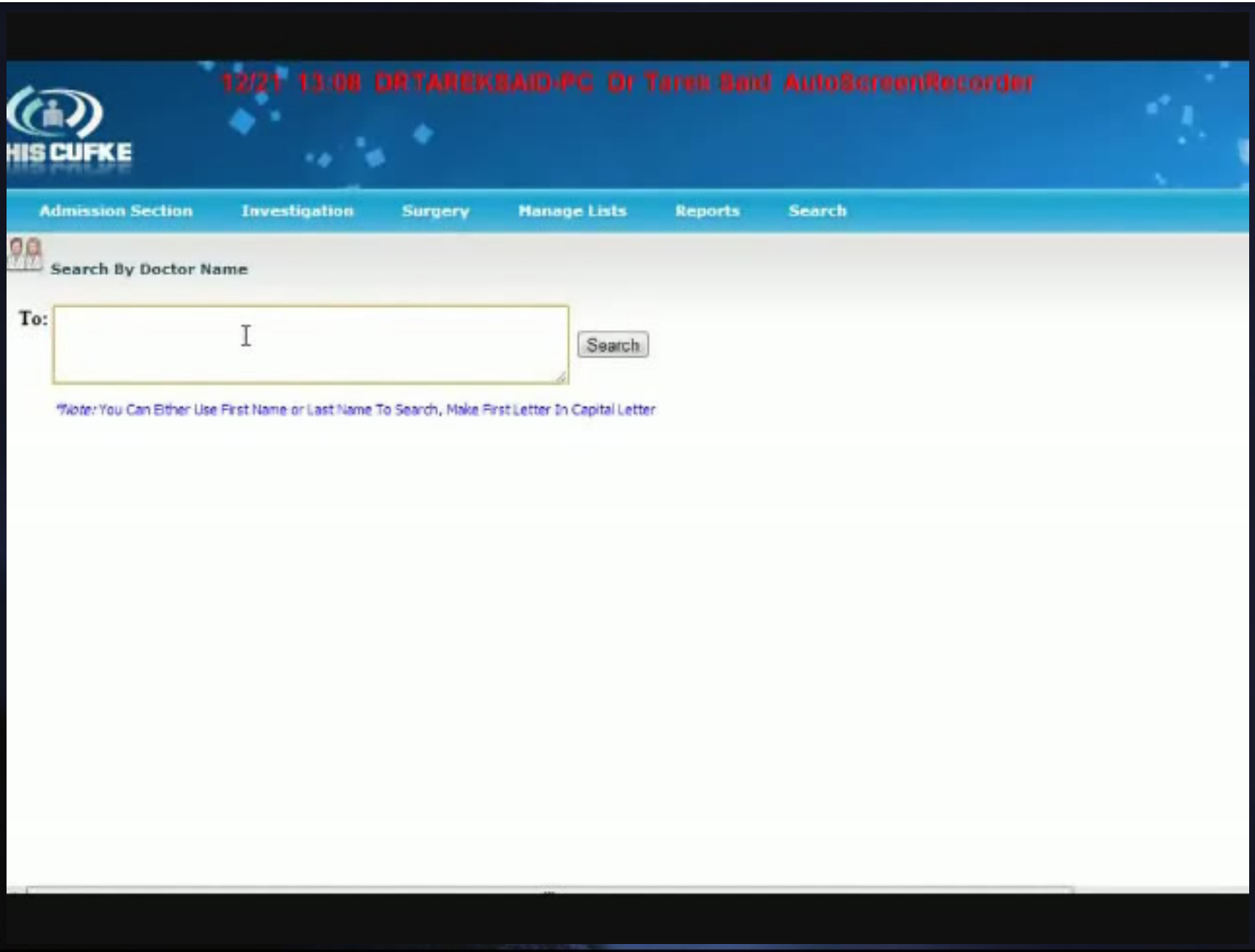
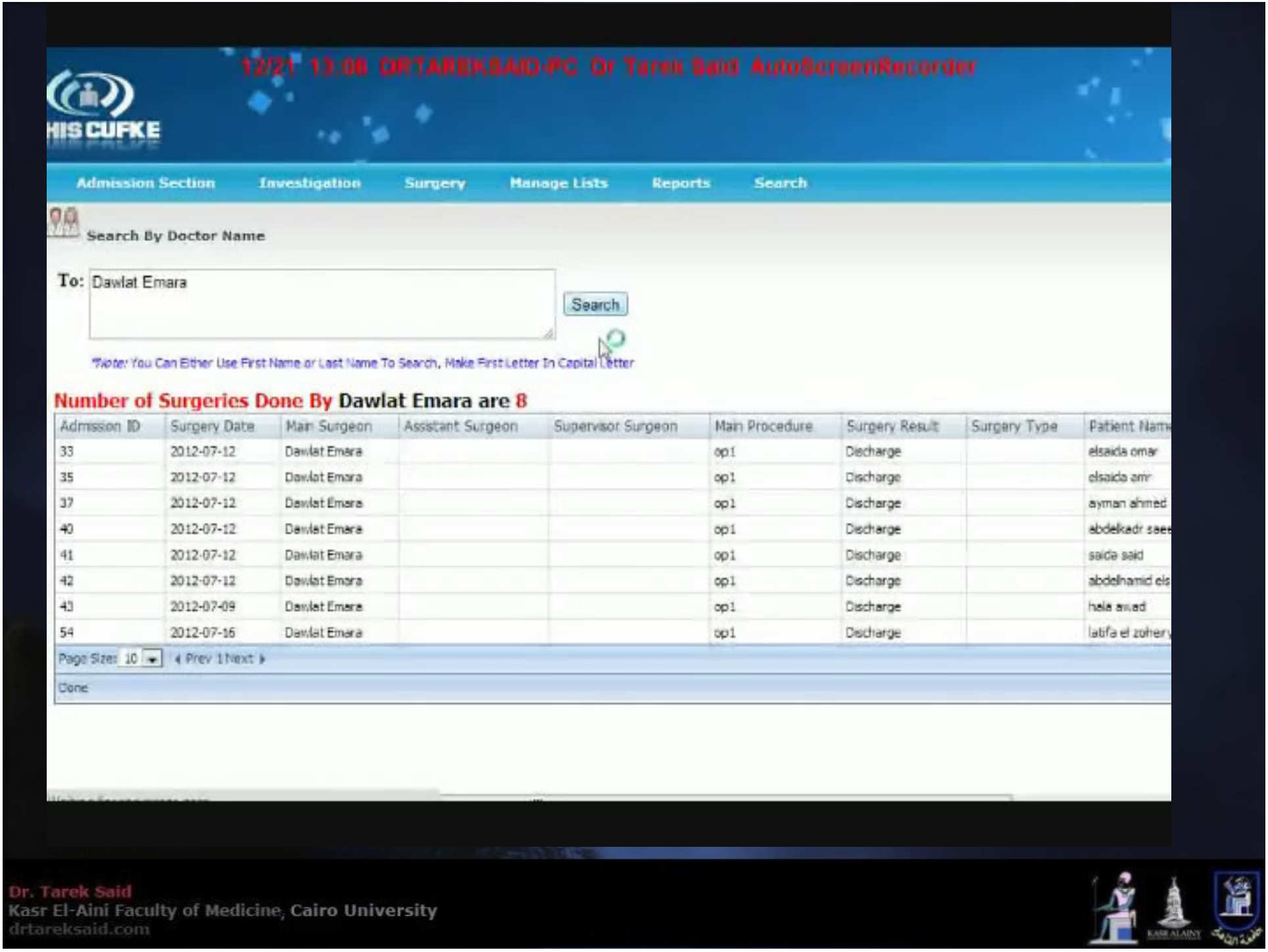
HIS CUFKE
Admission Section
Investigation
Surgery
Manage Lists
Reports
Search
Add Pathology Form
Note:By Default Last Surgery Number Will Appear in the Surgery Number Text Box, You Can Change it From the List
Surgery Number
8
[Other Surgery ID]
Result *
[Select Result]
Date Received *
Gross Path
Type
Stage
Grade
LNS
CIS
Precancerous Lesion
Daignosis
Date Signed *
Pathologist1
Pathologist2
Submit


12/21 13:08 DRTAREKSAID-PC Dr Tarek Said AutoScreenRecorder
HIS CUFKE
Admission Section
Investigation
Surgery
Manage Lists
Reports
Search
Add Follow Up Visists Form
Note:By Default last Surgery Number Will Appear in the Surgery Number Text Box, You Can Change it From the List
Surgery Number
8
[Other Surgery ID]
Visit Number
Visit Date
Comment
Submit


12/21 13:08 DRTAREKSAID-PC Dr Tarek Said AutoScreenRecorder
HIS CUFKE
Admission Section
Investigation
Surgery
Manage Lists
Reports
Search
Search By Doctor Name
To:
Search
*Note: You Can Either Use First Name or Last Name To Search, Make First Letter In Capital Letter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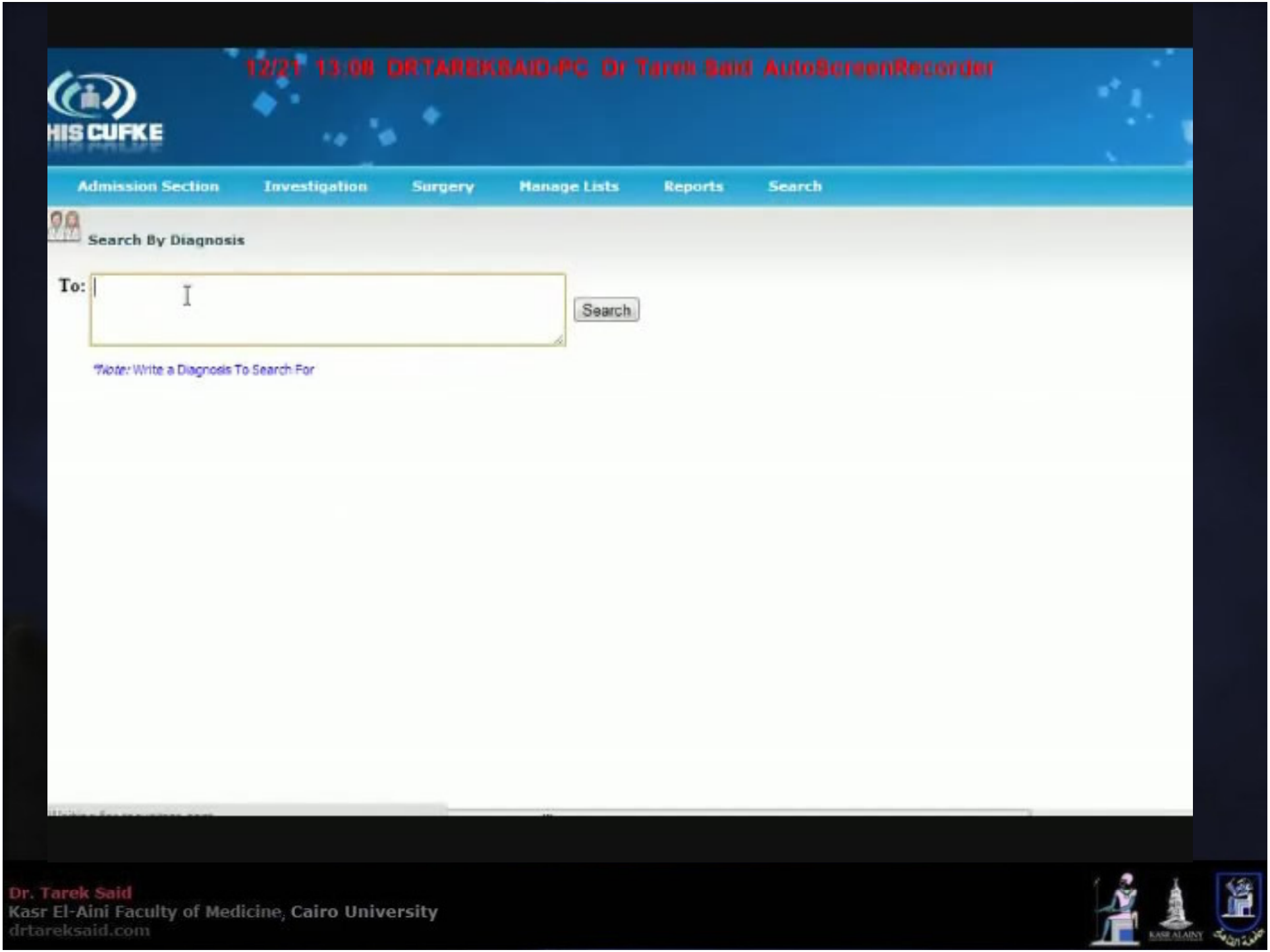
HIS CUFKE
Admission Section
Investigation
Surgery
Manage Lists
Reports
Search
Search By Doctor Name
To: Dawlat Emara
Search
Note: You Can Either Use First Name or Last Name To Search, Make First Letter In Capital Letter
Number of Surgeries Done By Dawlat Emara are 8
Admission ID | Surgery Date | Main Surgeon | Assistant Surgeon | Supervisor Surgeon | Main Procedure | Surgery Result | Surgery Type | Patient Name
33 | 2012-07-12 | Dawlat Emara | | | op1 | Discharge | | elsaida omar
35 | 2012-07-12 | Dawlat Emara | | | op1 | Discharge | | elsaida amr
37 | 2012-07-12 | Dawlat Emara | | | op1 | Discharge | | ayman ahmed
40 | 2012-07-12 | Dawlat Emara | | | op1 | Discharge | | abdelkadr saee
41 | 2012-07-12 | Dawlat Emara | | | op1 | Discharge | | saida said
42 | 2012-07-12 | Dawlat Emara | | | op1 | Discharge | | abdelhamid els
43 | 2012-07-09 | Dawlat Emara | | | op1 | Discharge | | hala awad
54 | 2012-07-16 | Dawlat Emara | | | op1 | Discharge | | latifa el zohery
Page Size: 10
Prev 1 Next
Done


12/21 13:08 DRTAREKSAID-PC Dr Tarek Said AutoScreenRecorder
HIS CUFKE
Admission Section
Investigation
Surgery
Manage Lists
Reports
Search
Search By Diagnosis
To:
Search
*Note: Write a Diagnosis To Search For
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THANK YOU

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