Welcome to the Global Registry of New-Onset Covid-19 Related Diabetes e-learning tool!

Thank you for registering for the CoviDiab registry, a joint initiative of Kings College London and Monash University.

This e-learning tool will explain how to use the CoviDiab registry and how to enter your patients’ data into this research tool.

Funders: The following organisations have provided seeding funds for the CoviDiab Registry Project
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- Severe metabolic complications of pre-existing diabetes

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An international group of leading diabetes researchers are establishing a Global Registry of COVID-19-related diabetes.

This registry is specifically designed to establish the extent and characteristics of new-onset COVID-19-related diabetes and to investigate its pathogenesis, management and outcomes. The Registry also collects data about presentations with severe metabolic disturbance in pre-existing diabetes (DKA, hyperosmolarity: severe insulin resistance).

Given the very short history of human contact with COVID-19, this registry will rapidly help us understand how COVID-19 related diabetes develops, its natural history and its best management. Studying COVID-19 related diabetes may also uncover novel mechanisms of disease.

**Aims:**

- To establish the extent of, and characterise new-onset, COVID-19-related diabetes and to investigate its pathogenesis, management and outcomes

- We also aim to characterise the clinical course and outcomes of diabetes in patients with pre-existing disease that acutely develop severe metabolic complications during COVID-19, such as diabetic keto-acidosis (DKA) and hyperosmolar non-ketotic hyperglycaemia (HONKS).
Principal Investigators and Co-Investigators

**Principal Investigators**
Prof. Francesco Rubino MD: Professor of Metabolic and Bariatric Surgery; Kings College London, London
Prof. Paul Zimmet MD: Professor of Diabetes; Monash University; Melbourne, Australia

**Co-Investigators:**
Includes:
Prof. Stephanie Amiel MD, Professor of Diabetic Medicine, Kings College London, London UK,
Prof. K George Alberti FRCP, Senior research Investigator, Imperial College London; Emeritus Professor of Medicine, University of Newcastle; UK,
also includes many other eminent professionals from the Diabetes community around the world, Germany, Australia, Texas, Italy, USA, China, UK, Cameroon, South Africa, India.

For full list click here: https://covidiaab.e-dendrite.com/investigators.html
On logging into the registry for the first time you will see this page showing the “Terms & Conditions” that must be accepted before any patient data is entered into the registry. Please read carefully and Click “I accept the Terms and Conditions”.

Entering Data Requires Acceptance of The Terms and Conditions Document
Acceptance of Terms & Conditions

Once you “click” the Terms & Conditions to confirm you agree to them “click” Continue. You will only see this screen on first entry to the registry.
The CoviDiab Registry Flow

The registry has **two distinct sets of inclusion criteria** for patient entry.

Both methods require the patient to be diagnosed with Covid-19.

**Patient Acceptance is dependent on:-**

1. Patients presenting with **New onset diabetes with no personal prior history of diabetes**.

2. Patients presenting with **Severe metabolic complications of pre-existing diabetes**.
The CoviDiab Registry Flow (In Patient) – ( 9 Pages)

- Demographics
- Medical History
- Systems and Signs of Presentation
- Current Presentation
- Lab Tests on Admission
- Medications Started and Stopped in Hospital
- Lab Tests in Hospital
- Outcomes & Medications at Discharge
CoviDiab Registry Flow – (Follow Up)

- Current Status
- Current metabolic complications of diabetes
- Recent diabetes-related complications
- Current Symptoms and Signs at Follow Up
- Diabetes Medications at Follow Up
- Diabetic Medication Stopped At Follow Up
- Lab Tests
How To Access The CoviDiab Registry

• Use the URL in your web browser (link and login credentials sent from registrations at Dendrite)
• [CoviDiab Registry](#)

You can access the CoviDiab from all browsers (Internet Explorer version 10 onwards, Firefox, Chrome Etc.)

Enter your Username and Password. Click Log in

**IMPORTANT**

At first connection the system will ask you to choose a new password

If you have forgotten your password click here or: Email national-support@e-dendrite.com
Adding Records, Accessing Documents, Downloading Your Data and Analysing Your Data

After logging into the registry this screen allows you to:-

- Edit/Add a patient,
- Access Documents to download
- Download your data
- Analyse your data.

Click on the relevant choice
How To Add A Patient To The Registry

Click Edit/Enter Data
How To Add A Patient To The Registry

Click on “Add New Patient” on the "My Patients" page

Click here to register your first patient (and any new patient) in the registry
How to Add A Patient To The Registry: continued

Choose the correct question to answer for the type of patient presentation you wish to enter into the registry.

- **New-onset diabetes (no previous history of diabetes)**
- **Severe metabolic complications of pre-existing diabetes**
How To Add a Patient To The Registry: Eligible Cases
New-Onset Diabetes (no previous history of diabetes)

Choose the relevant patient presentation to get started

The patient must be diagnosed with COVID-19

Answers turn “Green” for eligible patients

Your patient can still be entered into the registry even if the type of new onset diabetes is Not yet known

At any time should you wish to revise your question choice, click “Reset Values” to clear and start again

A message at the bottom of the screen will inform you that the patient is eligible. Then click “Continue”
How To Add A Patient: Not eligible cases

New-onset diabetes (no previous history of diabetes)

Patients presenting with New-onset diabetes (with no previous history) have to be diagnosed with COVID-19.

BUT if you answer that they have a prior history of diabetes, the questions turn red denoting this criteria is not eligible.

You will also see a message at the bottom of the screen informing you that this case is not eligible.
How To Add a Patient To The Registry: Eligible Cases
Severe Metabolic Complications of Pre Existing Diabetes

Choose "Severe metabolic complications of pre-existing diabetes" evokes a different set of questions related to this presentation

Questions turn from blue to green when answered with the correct criteria for inclusion
How To Add a Patient: Eligible Cases
Severe Metabolic Complications of Pre Existing Diabetes

Clicking “Yes” to metabolic complications at presentation evokes the relevant complications.
At least one of these must be ticked "Yes" for the patient to be eligible.
Clicking the information bubble gives relevant data related to that question.

Click “Continue” to proceed.
How To Add a Patient: continued

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gender</strong></td>
<td>Male</td>
</tr>
<tr>
<td><strong>Date of First Observation/Presentation</strong></td>
<td>01 July 2020</td>
</tr>
<tr>
<td><strong>Age</strong></td>
<td>55 years</td>
</tr>
<tr>
<td><strong>Record owner</strong></td>
<td>User1 User1 - 000000000</td>
</tr>
<tr>
<td><strong>Hospital</strong></td>
<td>Dendrite</td>
</tr>
</tbody>
</table>

Enter the basic details and click “Enter Registry Data”
How To Add a Patient: continued

Entered data is displayed as a summary – Click **“Next page”** and the patient is now entered into the registry.
How To Add a Patient: continued

Enter the demographics and that completes the basic parameters of the patient and you can move forward to complete the rest of the record.

Height and Weight can be entered using any combination of units. **Body Mass Index will be automatically calculated**.

Click “Next page” to continue.
Data Entry and Navigation

How to move through the pages of the registry

Click here to go the “Next page” or “Previous page”

Click here to “Save & Exit”, returns to Patient List

Click here to jump from one page to another

Use to “Log out” of the system

Navigation buttons at top and bottom of page
Data Entry and Navigation

How to move through the pages of the registry

On some pages in the registry there are "Tabs" this stops having long pages to scroll down.

To navigate just click directly on the "Tab" or click "Next Tab"
Data Entry and Navigation

Data entry formats

- **Radio buttons** are mutually exclusive, you can choose one or the other.
- **Questions can be conditional**, answering "Yes" brings up relevant questions.
- **Multiple choice questions** – you can choose more than one answer.
- **Free text** can be entered.
Orange coloured questions are "Mandatory" they have to be completed before leaving the page and a pop up message will alert you to which questions they are
The key questions in the registry turn “Green” when they are completed.
Data Entry and Navigation

Data entry formats

Dates can be entered using the calendar or typing **ddmmyyyy**

These tests on admission are mandatory but if you do not know the test result you can click here. Once the result is known you can deselect the radio button and enter the result.

The user can choose from the drop down box **the units their hospital uses** and then enter the result.
Reviewing and Editing Patient Entries

After logging into the system and clicking Edit and Enter Data you will arrive at the "My Patients screen". Here is a list of all the patients you have entered. Just click on the patient row to enter that record and edit as you see fit. You can also search for the patients by using the search facility in the top bar.
Adding Follow Up

Access "Follow up" from "My Patients Screen", Choose "Add New Follow Up"
Type in the date of follow up - dd mm yy
Click “Add New Follow up”
Adding Follow Up

If the patient has Died click “Dead” and then “Save and Exit” If “Alive” click “Alive” and the follow up screens are presented.
Adding Follow Up

Complete the questions. As before questions turn green when entered. If blood results are not known this can be documented here also. “Save & Exit” when complete.
Adding Follow Up

Review Follow Up from “My Patients” Screen, just click on the “Follow Up” drop down and click the date you want to view.
CoviDiab e-learning Support

• For registry clinical questions contact covidiab@kcl.ac.uk

• For IT technical support (e.g. web browser incompatibility, password issues), contact Dendrite.

Email: national-support@e-dendrite.com or go directly to https://www.e-dendrite.com/contactus