

Medesign Link

Diabetes Management Software

Version 2.0

User's Manual

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Chapter1

Preferences



1.1 About Medisign Link Software

Instruction

The Medisign Link Diabetes Management Software is personal computer(PC) based software intended for use in the home and professional settings to help people with diabetes and their healthcare professionals in the review, analysis and evaluation of glucose test results for an effective control and manage blood glucose.

Medisign Link information

Warning:

Do not make treatment decisions based solely on the information provided by Medisign Link. Before determining and using the blood glucose report, please consult your physician's suggestion. It is important for you and your physician to understand how the statistics are calculated before making any adjustments to treatment.

The Medisign Link - Diabetes Management Software is an optional software accessory for use with the medisign glucose meter with data management capabilities. When use with Medisign blood glucose meter, Medisign Link software transfers data from the meter's memory into a computer for enhanced data management.

Tip

To get started you'll need:

- ① Medisign Link setup program supported by Empeps Medical Device's Website
- ② Medisign Link USB Data Cable
- ③ Medisign Blood Glucose Meter

1.2 Connecting your meter to your PC



Before starting the installation, please check whether your computer meets the system requirements.

How to connect your meter to your computer via the USB data cable

Your computer must meet certain minimum requirements to ensure trouble-free operation of Medisign Link diabetes management software.

System Requirements:

- OS : Microsoft Windows 7(32-bit/64-bit) or later
- RAM : Minimum 512MB
- CPU : Minimum 500Mhz Intel Pentium Processor or higher
- Free hard disk space : Minimum 60MB
- Monitor : Minimum 1024x768 pixel resolution
- Interfaces : USB port, Printer to print report(optional), Medisign Link USB data cable

Empecs Medical Device Corporation provides you free Medisign Link-Diabetes Management Software download from Empecs Medical Device website. URL: <http://www.empecs.com>

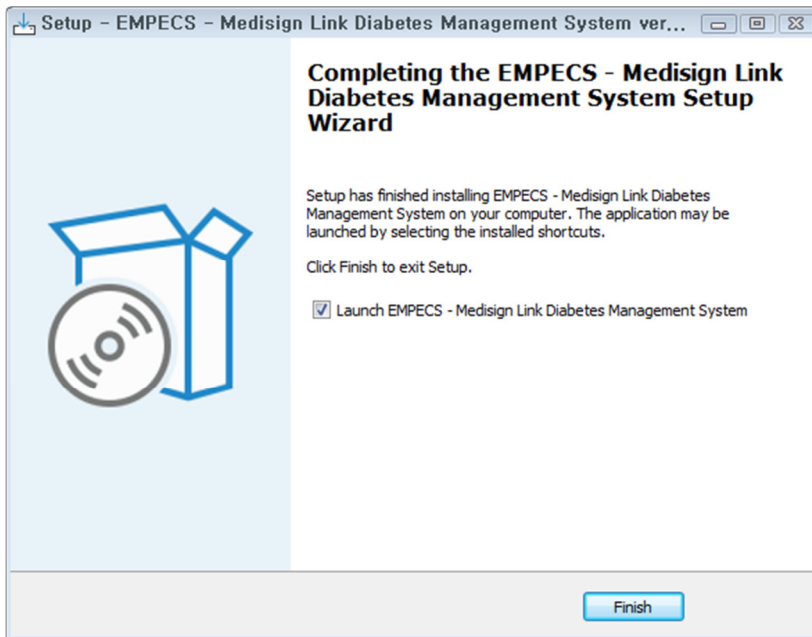
To install Medisign Link Software:

- [1] Turn on your computer. To execute the download file, Click "Setup" button and the setup program usually starts automatically.
- [2] Medisign Link setup wizard screen shows. Click "Next" button to continue the installation. If click "Cancel" button, this software will stop to install.
- [3] Select Installation folder screen shows. Accept the suggested destination folder or click "Browse" to specify another location. Then click "Install" button to start installation.

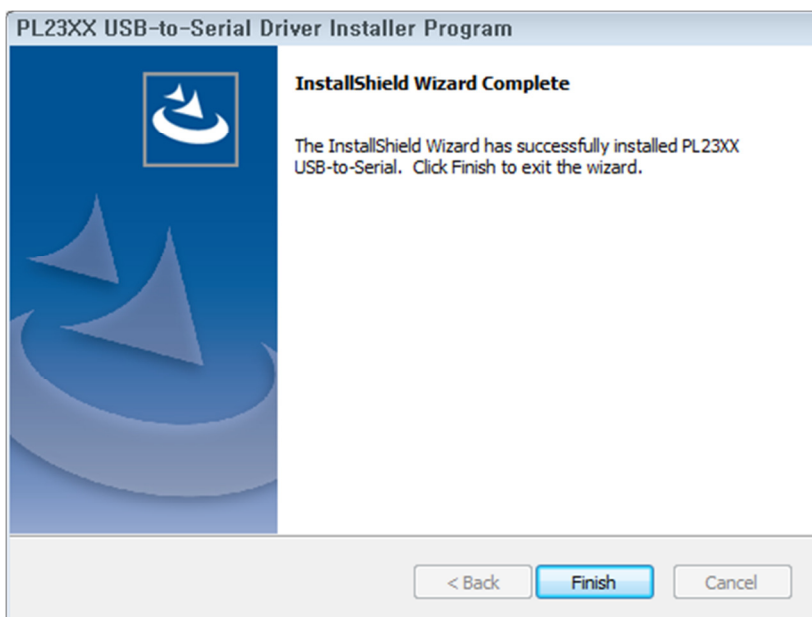
Tip

IMPORTANT: Use only the Medisign Link USB data cable to connect your meter and your PC. Do not use any other cables to connect your meter.

[4] The confirm installation screen displays. Click "Finish" button.



[5] Once the installation is successful, next USB virtual driver wizard screen shows. Click "Next" button to continue installing the USB driver. If the USB driver is already installed on your PC, please click the "Cancel" button.



[6] Continue to "Next" to complete the USB driver. This will bring you to the "Install Shield Wizard Complete" window. Click the "Finish" button to exit the setup wizard.

Tip

Warning:

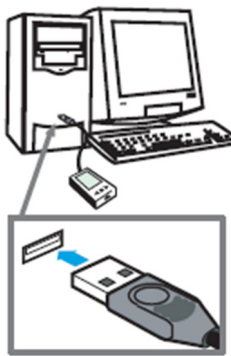
The meter functions, such as blood glucose testing and memory features, will be disabled when connected to your PC. Do not attempt to perform a blood glucose test with you meter while it is connected to your PC.

Connecting Meter

How to connect your meter to your computer via the USB data cable.

Before you download the historical data from the meter to your PC or before you do the instrument setting, you have to connect the meter to your PC according to the following steps:

- [1] Make sure that you have installed Medesign Link Software on your computer
- [2] Make sure that your meter is turned off.
- [3] Insert the rectangular cable end into your computer's USB port.



- [4] Insert the round cable end into the glucose meter data port, located at the top or side of your blood glucose meter.
- [5] When the meter is turn on, "PC" will be shown on the blood glucose meter. The communication between the meter and your PC is ready.

Tip

Upon insertion of the cable, your computer will indicate that the cable has been detected for drivers.

1.3 Setting default glucose target range

Registration & View

[Previous Step | None](#)

Click on the “**Preferences**” on the menu bar and move to “**Default Glucose Target Ranges**” menu.

- ① In figure 1, Enter your meal time and blood glucose target range on the screen.
- ② Click on the top of the “Save” button, then the registration will be completed.

This is menu for registration, modification and view of Setting default glucose target range.

1. The ending time of the each interval should be always the same with the starting time of its next interval.
2. When you change the ending time from each interval, this program automatically updates the starting time from next interval.

Time Periods			Start Time	~	End Time
	Breakfast	Pre	06:00	~	09:00
		Post	09:00	~	11:00
	Lunch	Pre	11:00	~	13:00
		Post	13:00	~	16:00
	Dinner	Pre	16:00	~	19:00
		Post	19:00	~	21:00
Night			21:00	~	06:00

Target Ranges		Low Value	~	High Value
	Pre meal	80	~	120
	Post meal (2hrs)	80	~	160
	Night (Sleep)	100	~	140
	Normal Range	70	~	140
	Hypo/Hyper Values	50	/	240

Picture 1 - Display for setting default glucose target range

Tip

- ① The setting can be registered only once and cannot be deleted.
- ② At setting meal time, the ending time of the each interval should be always the same with the starting time of its next interval.
- ③ There should not be a space of time during 24 hours.
- ④ Setting won't be completed when you enter the same range of time again.

1.4 Setting COM Port

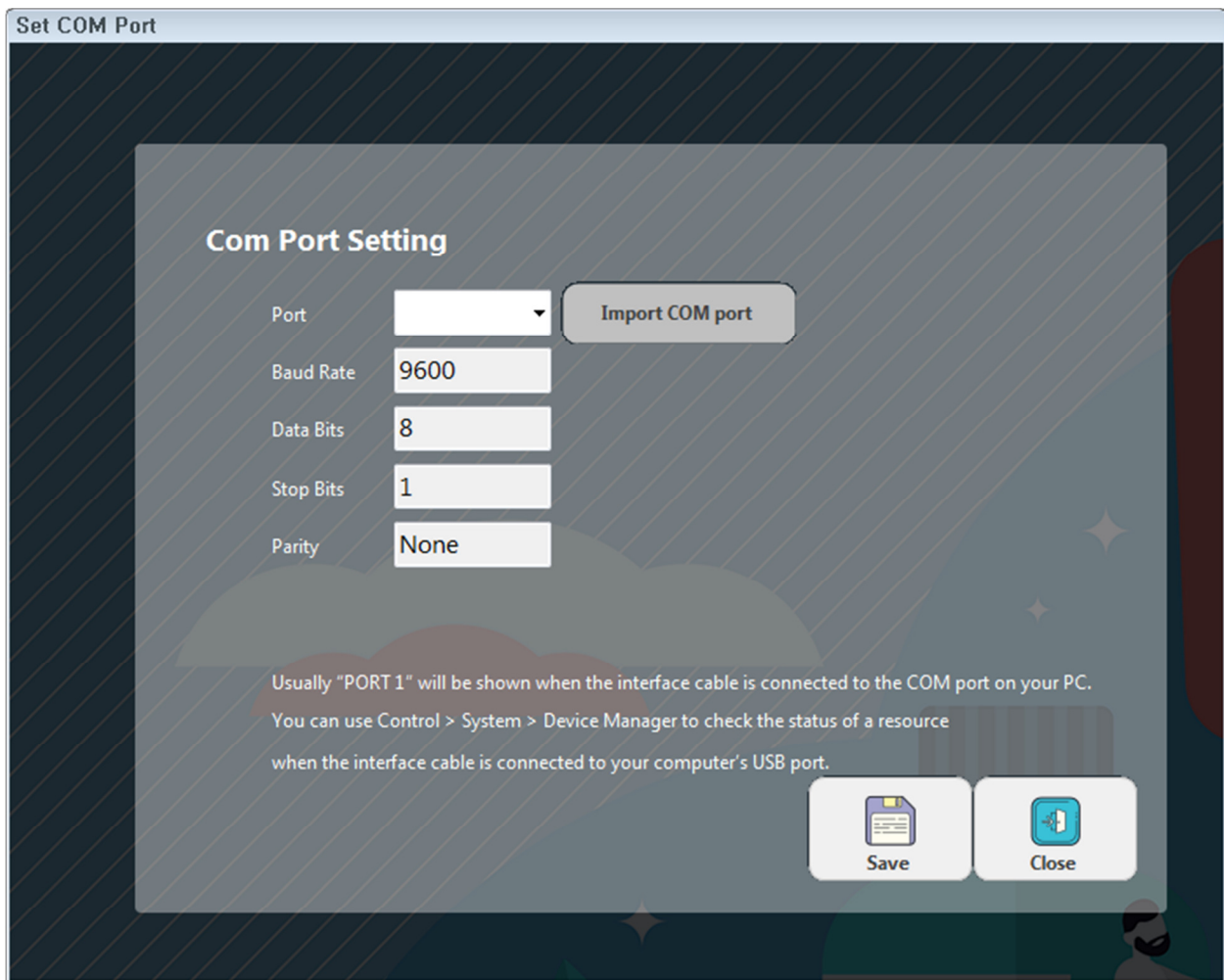
Registration
& View

[Previous Step | None](#)

Click on the “**Preferences**” on the menu bar and move to “**Set COM port**” menu.

- ① In Figure 2, you can bring the port currently installed on your PC when you click on the “Import COM Port” button.
- ② Select Port.
- ③ Press the “Save” button below, then connection will be completed.

This is menu for connection, modification and view of Setting COM port



Picture 2 - Display for setting COM port

Tip

- ① The setting can be registered only once and cannot be deleted.
- ② You can find Port information at *Control>System>DeviceManager*.

1.5 Meter Setting via PC

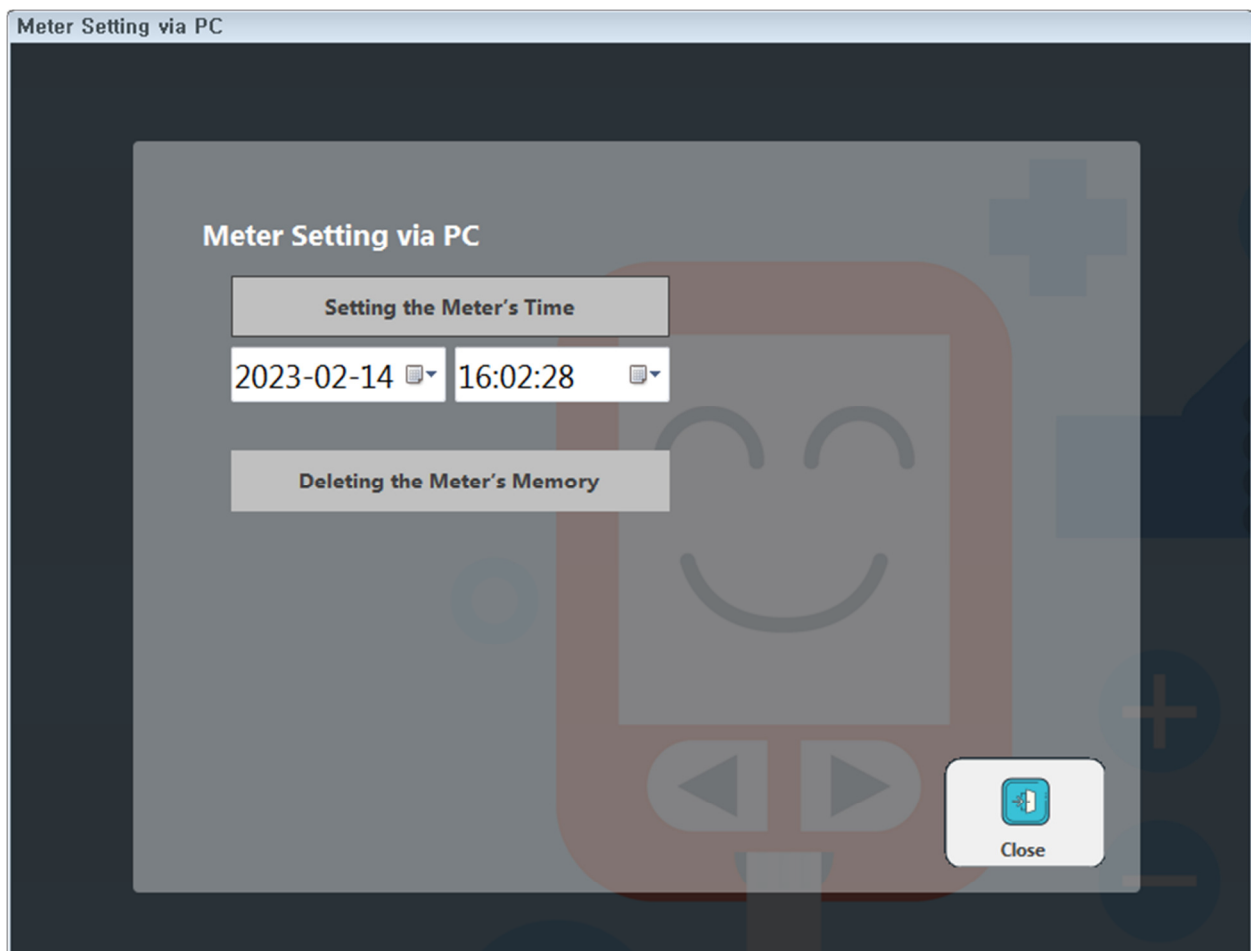
Setting Date & Time

[Previous Step | Connecting the meter to your PC](#)

Click on the “**Preferences**” on the menu bar and move to “**Meter Settings**” menu.

- ① Connect your meter to computer.
- ② Click on the “Setting the Meter’s Time” button, it will change the date and time of the meter to be the same as the date and time on the computer.

In this menu, it allows you to set up date & time and delete memory for the meter easily on your computer.



Picture 3 - Display for mete's time setting via PC

Tip

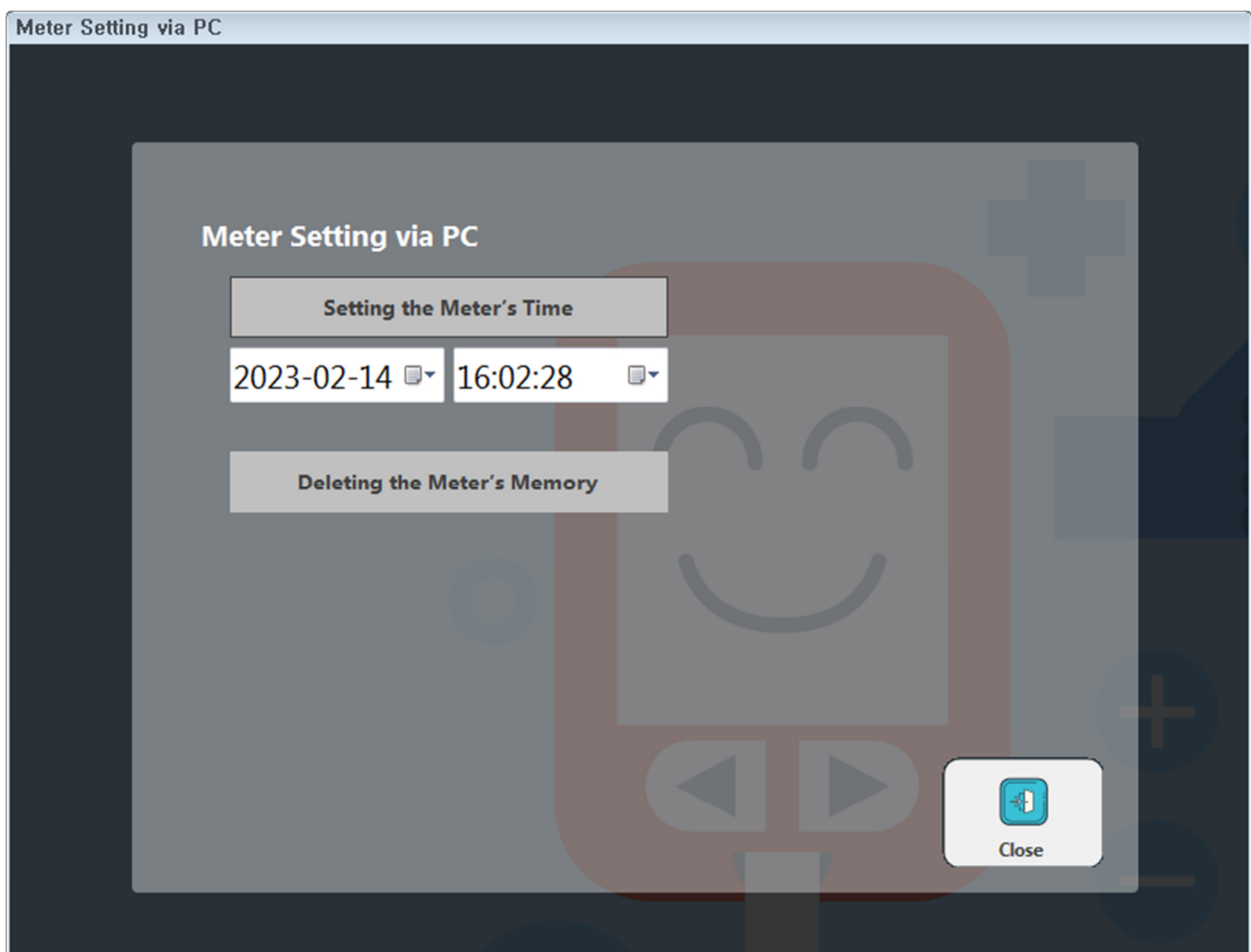
- ① Refereed date and time is as set for the PC

Deleting Memory

Previous Step | Connecting the meter to your PC

Click on the “**Preferences**” on the menu bar and move to “**Meter Settings**” menu.

- ① Connect your meter to computer.
- ② Click on the “Deleting the Meter’s Memory” button, the memory stored in the meter will be deleted.



Picture 4 - Display for meter's memory delete via PC

Tip

- ① Deleting the meter's memory will not affect the current memory stored on your PC.

Chapter2

User and Patient Profiles



2.1 Managing user and patient profile

2.1.1 Adding user and patient profiles



[Previous Step | Setting glucose target range](#)

Click on the “**User (Patient) Profile**” on the menu bar

- ① If you click on the “New” button, the inputting items are initialized.
- ② Name and date of birth must be inputted.
- ③ Click on the “Save” button in personal glucose target range tab to finish this registration, after entering the details.

Managing user or patient’s information

The screenshot displays the EMPECS - Medisign Link Diabetes Management System 2.0 interface. The top menu bar includes "User", "Database", and "Preference". The main window is titled "User (Patient) Profile" and shows a registration form. The form includes fields for Patient ID (202302-0001), Name, Phone Number, Address, and Comments. There are buttons for "New", "Save", and "Reload Defaults". The "DATE of Reg" is set to 2023-02-14. Below the form, there is a "Managing Diary List" tab and a "Glucose Target Ranges" table. The table has columns for Time Periods, Pre, Post, and Night. The "Target Ranges" section includes fields for Pre meal, Post meal (2hrs), Night (Sleep), and Hypo/Hyper Values. The "Diabetes Type" is set to "Type 2" and the "Glucose Unit" is "mg/dL". On the right side, there is a vertical toolbar with icons for Set Com Port, Meter Settings, Download Data, Viewing Report, Data List, Statistical Data, Data Back-Up, and Exit.

Time Periods	Pre	Post	Night
Breakfast	06:00 ~ 09:00	09:00 ~ 11:00	
Lunch	11:00 ~ 13:00	13:00 ~ 16:00	
Dinner	16:00 ~ 19:00	19:00 ~ 21:00	
Night	21:00 ~ 06:00		

Target Ranges	Pre meal	Post meal (2hrs)	Night (Sleep)	Hypo/Hyper Values
	80 ~ 120	80 ~ 160	100 ~ 140	50 / 240

Picture 5 - Display for User and Patient Profiles

Tip

- ① ID will be generated as YYYYMM (year and month) + sequence (4 digits).
You can see the registration in each month.
- ② Registered user (patient) cannot be erased.
- ③ In storing, your personal glucose target range is stored. So you should set default glucose target ranges

View

Previous step | Adding user and patient profile

Click on the “**User (Patient) Profile**” on the menu bar

- ① This function is to search for the current registration's basic information.
- ② Put the period and search conditions (Name, ID, Birth).
- ③ Click on the “Search” button within the left side of the window, you can see user or patient list screen displays.
- ④ Click on any of the users (patients) or move up/ down, you can see the information on the right tab.

The screenshot displays the EMPECS - Medisign Link Diabetes Management System 2.0 interface. The top bar shows the system name and the date/time: 2023-02-14 14:37:02. The main window is divided into several sections:

- Left Panel:** Contains search filters for "Period for" (2023-02-14 to 2023-02-14), "Order by" (Name, ID, Birth), and a "Search" button. Below this is a list of users/patients with columns for ID, Name, and Birth. The first entry is highlighted: ID 202302-0001, Name User, Birth 00-02-08.
- Top Right Panel:** Contains fields for Patient ID (202302-0001), Name (User), Date of Reg (2023-02-14), Date of Birth/Gender (2000-02-08), Age (23), Phone Number, Address, and Cell Phone. There is also a "New" button and a "Comments" text area.
- Managing Diary List:** A section for "Glucose Target Ranges" with a table of test results. The table has columns: S/N, Date, Entry, Weekday, Time, Meal, Pre/Post, Value, Type, Low-Target, High-Target, and Unit. The data rows show various glucose readings over time, with some values highlighted in red (e.g., 81, 91, 81) and others in blue (e.g., 76, 74, 76).
- Right Panel:** A vertical sidebar with icons for "Set Com Port", "Meter Settings", "Download Data", "Viewing Report", "Data List", "Statistical Data", "Data Back-Up", and "Exit".

Picture 6 - Display for User or Patient List

Tip

- ① You can sort the user list according to sorting condition (Name, ID, Birth).
- ② Default period for searching is set to be last 2 weeks.
- ③ In searching condition, if you check “total users” in box, all of users are displayed on left side of the window regardless of any time period

2.1.2 Setting glucose target ranges

Registration

[Previous step](#) | [Default glucose target ranges](#), [Adding user and patient profile](#)

Click on the “**User (Patient) Profile**” on the menu bar and move to “**Glucose Target Range**” tab.

- ① Click on the “Glucose Target Ranges” and you can input the items.
- ② If click on the “Reload Defaults” button, you can see the stored default glucose target range and you can change them.
- ③ After check the inputting information, click the upper “Save” button. You finish user registration.

Use the glucose target range tab to customize glucose target ranges.

The screenshot displays the EMPECS - Medisign Link Diabetes Management System 2.0 interface. The top menu bar includes 'User', 'Database', and 'Preference'. The main window is divided into several sections:

- Left Panel:** Contains a 'Period for' dropdown set to '2023-02-14', an 'Order by' section with radio buttons for 'Name', 'ID' (selected), and 'Birth', and a 'Search' button. Below this is a table with columns 'ID', 'Name', and 'Birth', showing a single entry: '202302-0001', 'User', and '00-02-08'.
- Top Section:** A form for patient registration with fields for 'Patient ID' (202302-0001), 'Name' (User), 'Date of Reg' (2023-02-14), 'Date of Birth/Gender' (2000-02-08), 'Age' (23), 'Phone Number', 'Cell Phone', 'Address', and 'Comments'. There are 'New', 'Save', and 'Reload Defaults' buttons.
- Glucose Target Ranges Table:** A table with columns for 'Time Periods', 'Pre', 'Post', and 'Glucose Unit'. It lists meal times (Breakfast, Lunch, Dinner) and target ranges (Pre meal, Post meal (2hrs), Night (Sleep), Hypo/Hyper Values). The 'Glucose Unit' is set to 'mg/dL'.
- Right Panel:** A vertical toolbar with icons for 'Set Com Port', 'Meter Settings', 'Download Data', 'Viewing Report', 'Data List', 'Statistical Data', 'Data Back-Up', and 'Exit'.

Picture 7 - Display for glucose target ranges

Tip

- ① Date of registration will be reviewed by last saved date. And it will be saved today's date if there is no history of date of registration.
- ② At setting meal time, the ending time of the each interval should be always the same with the starting time of its next interval.
- ③ There should not be a space of time during 24 hours.
- ④ When you change the ending time from each interval, this program automatically updates the starting time from the next interval.
- ⑤ If glucose unit is mmol/L, the value divided by 18.02 is displayed.

Updating

Previous step | Default glucose target ranges, Adding user and patient profile

Click on the “**User (Patient) Profile**” on the menu bar and move to “**Glucose Target Range**” tab.

- ① You may edit and delete personal glucose target ranges.
- ② Click on “Date of Reg” to review the personal glucose target range. You may view the old date of registration if you saved the glucose target ranges before. Select the desired date from the list.
- ③ Click on “Save” button to save personal glucose target ranges you set here.

The screenshot displays the EMPECS - Medisign Link Diabetes Management System 2.0 interface. The top menu bar includes 'User', 'Database', and 'Preference'. The main window is divided into several sections:

- Left Panel:** Contains a search area with 'Period for' (2023-02-14 to 2023-02-14), 'Order by' (Name, ID, Birth), and a search button. Below is a table with columns ID, Name, and Birth, showing a single entry: 202302-0001, User, 00-02-08.
- Top Section:** Patient ID (202302-0001), Name (User), Date of Reg (2023-02-14), Date of Birth/Gender (2000-02-08), Age (23), Phone Number, Address, and Comments.
- Managing Diary List:** A tabbed interface with 'Glucose Target Ranges' selected. It includes a 'DATE of Reg' dropdown (2023-02-14), 'Save', and 'Reload Defaults' buttons.
- Target Ranges Table:**

Time Periods		DATE of Reg	
		Pre	Post
Breakfast	Pre	06:00 ~ 09:00	
	Post	09:00 ~ 11:00	
Lunch	Pre	11:00 ~ 13:00	
	Post	13:00 ~ 16:00	
Dinner	Pre	16:00 ~ 19:00	
	Post	19:00 ~ 21:00	
Night		21:00 ~ 06:00	
Target Ranges	Pre meal	80 ~ 120	
	Post meal (2hrs)	80 ~ 160	
	Night (Sleep)	100 ~ 140	
	Hypo/Hyper Values	50 / 240	
- Bottom Section:** Diabetes Type (Type 2) and Glucose Unit (mg/dL).
- Right Panel:** A vertical toolbar with icons for Set Com Port, Meter Settings, Download Data, Viewing Report, Data List, Statistical Data, Data Back-Up, and Exit.

Picture 8 - Display for editing and deleting personal glucose target ranges

Tip

- ① The “Date of Reg.” drop down menu may be sorted by date from most recent to oldest including today date.
- ② You cannot delete the target range when only one target range is left on each person.
- ③ The past target range will not be updated even you edit current target range. Edited target range will be applied to new targets.
- ④ Click on the “Reload Defaults” button to change the default glucose target ranges.

2.1.3 Managing Diary List

Registration

[Previous step](#) | [Default glucose target ranges](#), [Adding user and patient profile](#)

Click on the “**User (Patient) Profile**” on the menu bar and move to “**Manage Diary List**” tab. On the “**Manage Diary List**” menu you can add new glucose reading records

- ① Click on the “New” button to add new record. Then new filed will be activated.
- ② Choose test date and input the glucose reading value and test status.
- ③ Click on the “Save” button on the tab to save the current records and finish the work.

You can manage dairy glucose list.

The screenshot displays the 'Managing Diary List' tab in the EMPECS - Medisign Link Diabetes Management System 2.0. The interface is divided into several sections:

- Top Bar:** Shows the system name 'EMPECS - Medisign Link Diabetes Management System 2.0', navigation links (User, Database, Preference), and the current date and time '2023-02-14 14:54:15'.
- Left Sidebar:** Contains a search section with 'Period for' (2023-02-14 to 2023-02-14), 'Order by' (Name, ID, Birth), and a search button. Below this is a table listing patient records with columns ID, Name, and Birth. The first record, '202302-0001 User 00-02-08', is highlighted.
- Main Form:** Contains a patient profile form with fields for Patient ID (202302-0001), Name (User), Date of Reg (2023-02-14), Date of Birth/Gender (2000-02-08), Age (23), Phone Number, Address, and Comments. There are buttons for 'New', 'Save', 'Delete', and 'Download'.
- Managing Diary List Table:** A table showing glucose test results. The table has columns: S/N, Date, Entry, Weekday, Time, Meal, Pre/Post, Value, Type, Low-Target, High-Target, and Unit. The table contains several rows of data, with the first row (S/N 1, Date 23-02-14, Value 120) highlighted in blue.
- Right Sidebar:** Contains a vertical list of icons for various functions: Set Com Port, Meter Settings, Download Data, Viewing Report, Data List, Statistical Data, Data Back-Up, and Exit.

Picture 9 - Display for view glucose diary list

Tip

- ① Test number is saved as serial number “YYYYMMDD” with following four sequence numbers. The sequence number let you know the number of tests on each day.
- ② Test time saved automatically as the time of computer.
- ③ The glucose values are displayed in unique colors(RED, BLUE) for easy viewing according to preset glucose target range and test status of reading.

Updating Deleting

Previous step | Default glucose target ranges, Adding user and patient profile

Click on the “**User (Patient) Profile**” on the menu bar and move to “**Manage Diary List**” tab. On the “**Manage Diary List**” menu you can add new glucose reading records

- ① If you enter an incorrect result, then click on the incorrect reading on the dairy glucose list.
- ② Information will be displayed on the top of the diary “Managing Diary List” tab. To change the date, value, status of test, enter new data.
- ③ Click on the “Save” button to save your edited records
- ④ When you want to delete records, click on the “Delete” button to remove records

The screenshot displays the EMPECS - Medisign Link Diabetes Management System 2.0 interface. The top bar shows the system name and the date/time (2023-02-14 14:57:14). The main area is divided into several sections:

- Patient Profile:** Includes fields for Patient ID (202302-0001), Name (User), Date of Reg (2023-02-14), Date of Birth/Gender (2000-02-08), Age (23), Phone Number, Cell Phone, Address, and Comments.
- Managing Diary List:** This section contains a 'Glucose Target Ranges' tab and a table of glucose readings. The table has columns for S/N, Date, Entry, Weekday, Time, Meal, Pre/Post, Value, Type, Low-Target, High-Target, and Unit. The first row is highlighted in blue, showing a reading of 128 mg/dL on 23-02-14 at 14:53, Post Meal, with target ranges of 80 to 160.
- Left Sidebar:** Contains options for 'Period for' (2023-02-14), 'Order by' (Name, ID, Birth), and a search function.
- Right Sidebar:** Contains various system functions such as 'Set Com Port', 'Meter Settings', 'Download Data', 'Viewing Report', 'Data List', 'Statistical Data', 'Data Back-Up', and 'Exit'.

Picture 10 - Display for the editing and removing glucose result

Tip

- ① You can change glucose readings, target range and test status, except for the test time.
- ② Click on the “New” button to save new records on the same date.
- ③ The glucose reading records on today is listed as the default setting list.

2.2 Download data from meter

2.2.1 Downloading data

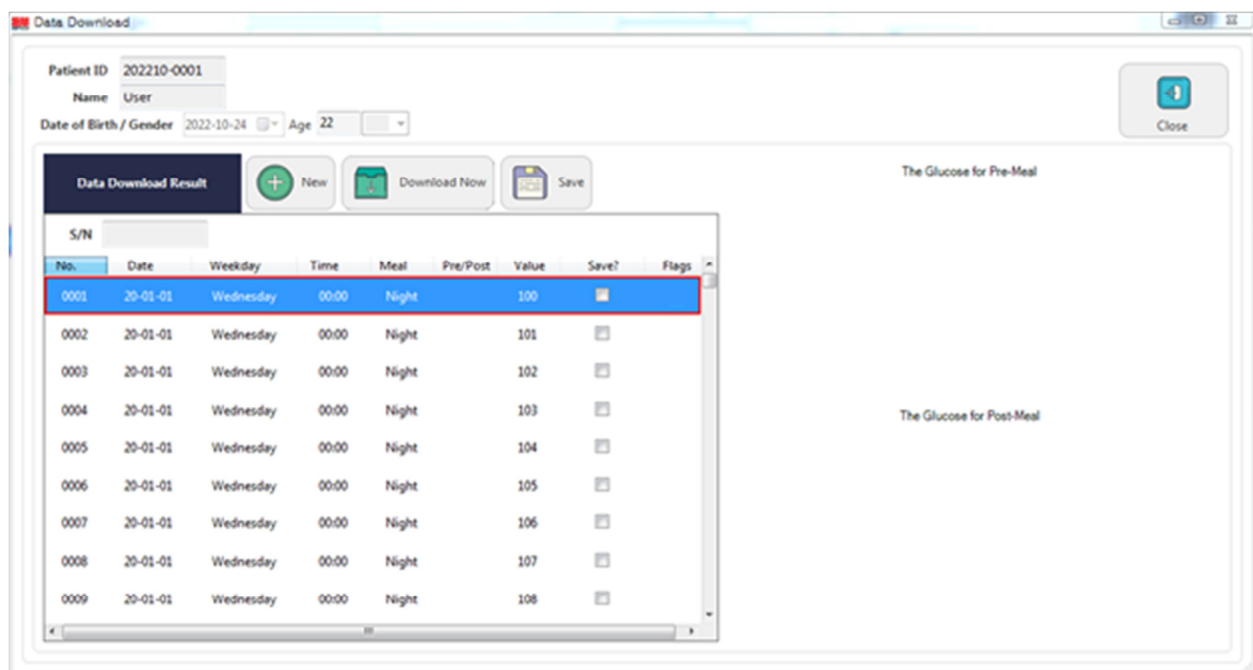
Download

[Previous step | Connecting meter to your PC, Setting default glucose target range](#)

Click on the “**User (Patient) Profile**” on the menu bar and find “**Download Data**” menu or you can access from “**Preference**” on the menu bar.

- ① Connect the meter to your PC.
- ② Click on the “Download Data” button to transfer data from meter.
- ③ Test date, time, glucose readings are transferred to PC.
- ④ Test date, test status are calculated automatically and showed on the display of chart.
- ⑤ The glucose reading graph for Pre-Meal can be different from the glucose reading graph for Post-Meal.

Display for the transferring data from meter.



Picture 11 - Display for the Downloading data

Tip

- ① Download process cannot be proceeded without complete step “Setting user and patient profiles”
- ② The “Download Data” window will be closed automatically, when the “set COM port” is not set properly.
- ③ All data from the meter transferred to PC once the “Download Data” process begin whether glucose reading records are saved or not. The test status will be recalculated automatically.

2.2.2 Saving download data

Registration

[Previous step](#) | [Connecting meter to your PC,](#)

[Setting default glucose target range](#)

Click on the **“User (Patient) Profile”** on the menu bar and find **“Download Data”** menu or you can access from **“Preference”** on the menu bar.

- ① Click on the **“Save”** button to confirm the data from meter.
- ② When completing transmission, all data will be shown on the screen. For **“Save?”** column, if the data is first time transferred, **“OK”** is shown.

Display for saving data from meter

The screenshot shows a software window titled "Data Download". At the top, there are input fields for Patient ID (202210-0002), Name (test), Date of Birth / Gender (2022-10-24), and Age (22). Below these are three buttons: "New", "Download Now", and "Save". The main area contains a table with the following data:

S/N	No.	Date	Weekday	Time	Meal	Pre/Post	Value	Save?	Flags
0001	20-01-01	Wednesday	00:00	Night			100	<input checked="" type="checkbox"/>	
0002	20-01-01	Wednesday	00:00	Night			101	<input checked="" type="checkbox"/>	
0003	20-01-01	Wednesday	00:00	Night			102	<input checked="" type="checkbox"/>	
0004	20-01-01	Wednesday	00:00	Night			103	<input checked="" type="checkbox"/>	
0005	20-01-01	Wednesday	00:00	Night			104	<input checked="" type="checkbox"/>	
0006	20-01-01	Wednesday	00:00	Night			105	<input checked="" type="checkbox"/>	
0007	20-01-01	Wednesday	00:00	Night			106	<input checked="" type="checkbox"/>	
0008	20-01-01	Wednesday	00:00	Night			107	<input checked="" type="checkbox"/>	
0009	20-01-01	Wednesday	00:00	Night			108	<input checked="" type="checkbox"/>	

On the right side of the window, there are two text labels: "The Glucose for Pre-Meal" and "The Glucose for Post-Meal". A "Close" button is located in the top right corner.

Picture 12 - Display for the screen of saving download data

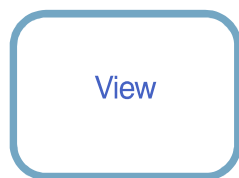
Tip

- ① Already saved download data can be edited for test status (Pre/Post Meal).
- ② Editing or removing glucose results to manually entered data can be made by accessing the **“User and Patient Profile”** > **“Managing Diary List”** tab.

2.3 Viewing Reports

2.3.1 Searching Reports

Data uploaded from diary list can be displayed on the screen in a variety of ways. Statistical and other calculations are automatically performed on the data, and the results are put into table and graphs.



[Previous step](#) | [Setting user and patient profiles](#), [Downloading data](#)

Click on the “**User (Patient) Profile**” on the menu bar and find “**Viewing Report**” menu

- ① It is a function which can search currently chosen user (patient)’s dairy list.
- ② To select a specific date range, enter dates in the calendar range selection tool. Or select any time period (such as last 14 days or last 100 days) in the data range list.
- ③ If you click the upper “Search” button, you can view a diary list.

You can search, view and print report

	Date	BreakfastPre	BreakfastPost	LunchPre	LunchPost	DinnerPre	DinnerPost	Night
1	2020-01-01							299
-	Total Number	-	-	-	-	-	-	200
-	Within Target	-	-	-	-	-	-	20.5%
-	Max	-	-	-	-	-	-	299.0
-	Min	-	-	-	-	-	-	100.0
-	Average	-	-	-	-	-	-	199.5
-	Standard Deviation	-	-	-	-	-	-	57.7

Total Number	200
Within Target	20.5 %
Max	299.0
Min	100.0
Average	199.5
Standard Deviation	57.7

Picture 13 - Display for the screen of searching reports

Tip

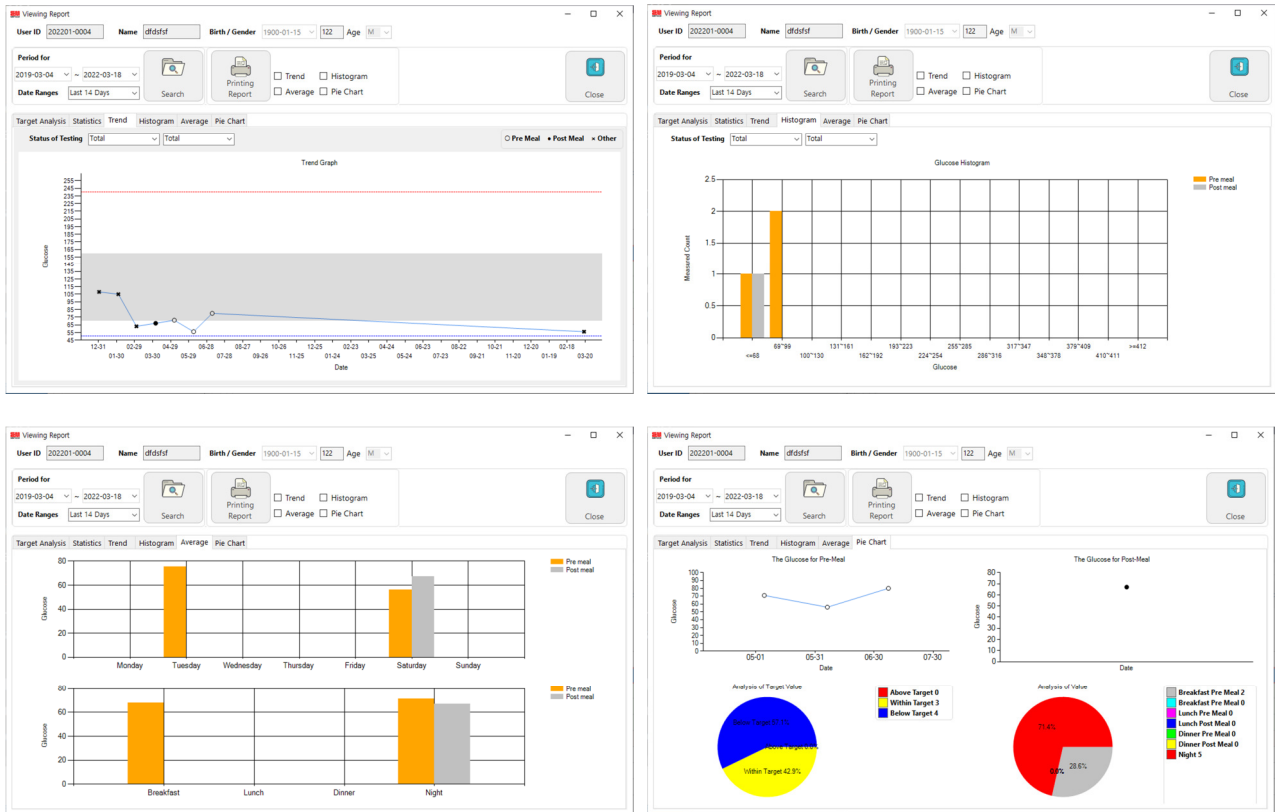
- ① You can choose the time period of which are last 14 days, 30 days, 60 days and 100 days.
- ② Being set up to last 14 days for default, the time period can be altered.
- ③ Glucose reading are separated into target ranges, which are represented in distinctive colors. Each target range is associated with a unique color : Above Target(Red), Below Target(Blue).

Graph

Previous step | Searching Reports

Click on the “**User (Patient) Profile**” on the menu bar and find “**Viewing Report**” menu

- ① Statistical and other calculations are automatically performed on the data, and the data can be displayed on the screen in a variety of ways.
- ② To display a report, click the desired tab on the reports tab bar.



Picture 14 - Display for the screen of various viewing reports

Tip

- ① There are four kind of report tab bar such Trend, Histogram, Average and Pie Chart for Pre/Post meal.
- ② In case of trend graphs, if you click one of the apexes, you can search the detailed data.
- ③ According to status of testing, you can analyze the graph, immediately.

2.3.2 Printing Reports

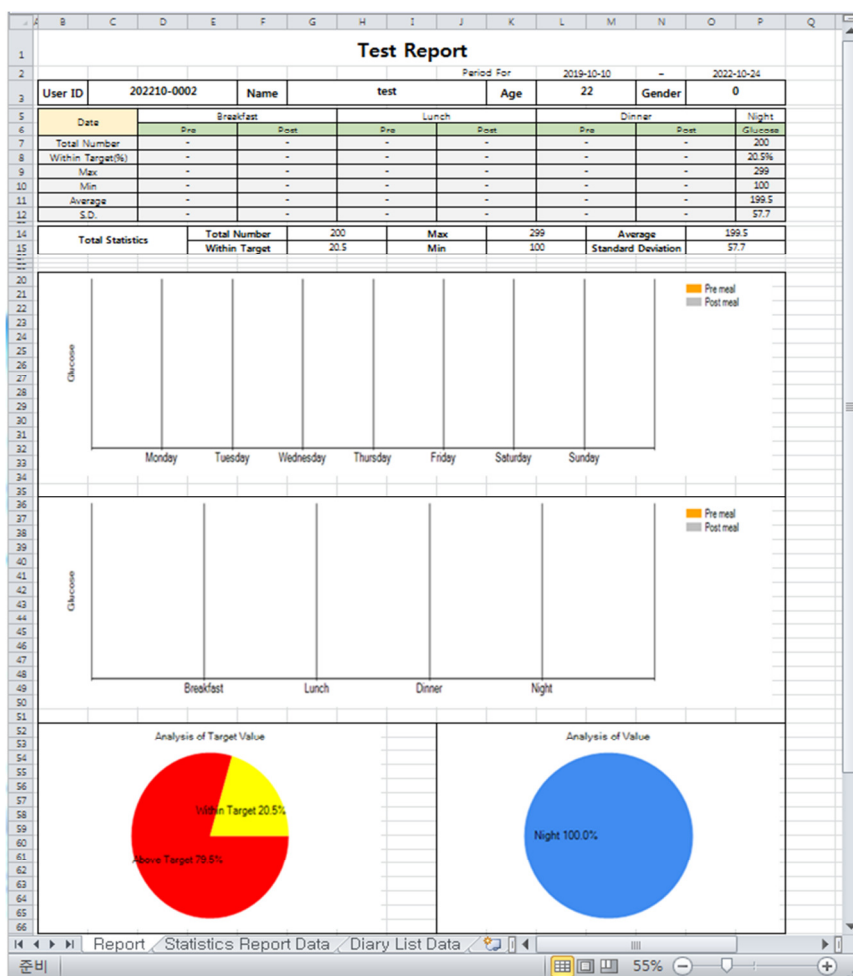
Print

[Previous step | Searching Reports](#)

Click on the “**User (Patient) Profile**” on the menu bar and find “**Viewing Report**” menu.

- ① It is a function to print the report in its currently displayed format.
- ② The printing report option is on the upper-right. You can select your preferred report you want to display in check box.
- ③ If you click the upper “Printing Report” button, reports are printed out.

The report prints on your printer.



Picture 15 - Display for the screen of viewing and printing reports

Tip

- ① You can choose 4 kinds of graphs being going to print out which are composed of Trends, Histogram, Average, Pie Chart.

Chapter3

Database Management



3.1 Data List

Searching

[Previous step | Setting user and patient profiles](#)

Click on the “**Database**” on the menu bar and move to “**Data List**” menu.

- ① You have to select date-range intervals. To select a specific date range, use the down arrows to open the calendar.
- ② You can select your search condition in check box.
- ③ Click on the “Search” button to search data according data range and condition.
- ④ To export EXCEL format, Click on the “Export to EXCEL” button.

You can search testing results during specific date range and export it to EXCEL format.

Data List														
Period for		ID	Name	S/N	Search		Excel		Close					
2022-02-18 ~ 2022-03-18														
ID	Name	Date of Birth	S/N	Date	Entry	Weekday	Time	Meal	Pre/Post	Value	Type	Low-Target	High-Target	Unit
202202-0013	test013	12/26/1999		22-02-24	2	Thursday	15:27	Lunch	Post	200		80	160	mg/dL
202202-0013	test013	12/26/1999		22-03-04	1	Friday	13:03			0				mg/dL
202202-0004	T2	01/08/1900		22-03-04	1	Friday	13:43			0				mg/dL
202202-0004	T2	01/08/1900		22-03-04	2	Friday	13:43			0				mg/dL
202202-0004	T2	01/08/1900		22-03-04	4	Friday	13:43			0				mg/dL
202202-0004	T2	01/08/1900		22-03-04	5	Friday	13:46			0				mg/dL
202202-0004	T2	01/08/1900		22-03-04	6	Friday	13:46			0				mg/dL
202202-0004	T2	01/08/1900		22-03-04	7	Friday	13:54	Lunch	Pre	0		80	120	mg/dL
202202-0002	Rotos	01/01/1984		22-03-04	1	Friday	13:59	Lunch	Post	0		80	160	mg/dL
202202-0002	Rotos	01/01/1984		22-03-04	2	Friday	13:59	Lunch	Post	0		80	160	mg/dL
202203-0006	user6	01/03/2000		22-03-07	1	Monday	10:24			0				mg/dL
202203-0006	user6	01/03/2000		22-03-07	2	Monday	10:24			0				mg/dL
202203-0006	user6	01/03/2000		22-03-07	4	Monday	10:24			0				mg/dL
202203-0006	user6	01/03/2000		22-03-07	5	Monday	10:24			0				mg/dL
202203-0006	user6	01/03/2000		22-03-07	7	Monday	10:24			0				mg/dL
202203-0006	user6	01/03/2000		22-03-07	8	Monday	10:25			0				mg/dL
202202-0008		04/04/1984		22-03-07	1	Monday	10:28			0				mg/dL
202202-0008		04/04/1984		22-03-07	4	Monday	10:28			0				mg/dL

Picture 16 - Display for Data List

Tip

- ① Searching conditions are composed of User, Tester and Check-Up.
- ② Each target range is associated with a unique color: Above Target (Red), Below Target (Blue).

3.2 Statistical Data

Searching

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Click on the **"Database"** on the menu bar and move to **"Statistical Data"** menu.

- ① You enter a year and month.
- ② To search monthly total tester, Click on the "Search" button.
- ③ If you want to transfer excel format, Click on the "Export to EXCEL" button.

You can search Statistical data during specific date range and export it to EXCEL format.

The screenshot shows a window titled "Statistical Data". At the top, there is a "Period for" section with two date pickers: "2019-10-01" and "2022-10-24", separated by a tilde (~). To the right of the date pickers are three buttons: "Search" (with a magnifying glass icon), "Excel" (with an Excel icon), and "Close" (with a close icon). Below the buttons is a table with the following data:

	Date	Number of Patient	Number of				
			Total	Within	High or Low	Ketone	
1	2020-01-01	2	400	82	318	0	
	Sum	2	400	82	318	0	

Picture 17 - Display for Statistical Data

Tip

- ① It is essential input condition to enter year and month.

3.3 Data Back-up

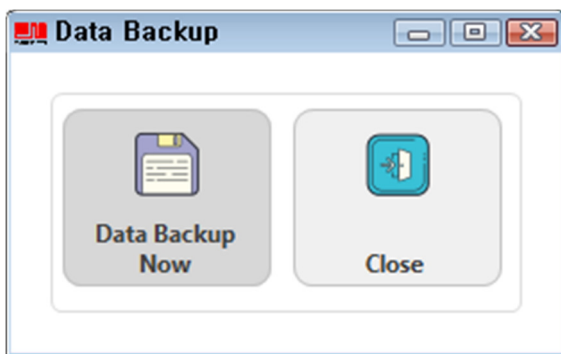
Backup

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Click on the “**Database**” on the menu bar and move to “**Data Back-Up**” menu.

- ① Click on the “Data Back-up Now” button to back up the current database.
- ② A file browser opens.
- ③ In the Save In field, select the backup location (folder).
- ④ Enter the File Name and Click Save.

You can save a copy of your current database in a backup file.



Picture 18 – Data backup

Tip

- ① As a precaution, you should make a full backup of you Medisign Link database before upgrading your operating system.

3.4 Restore Data

Restore

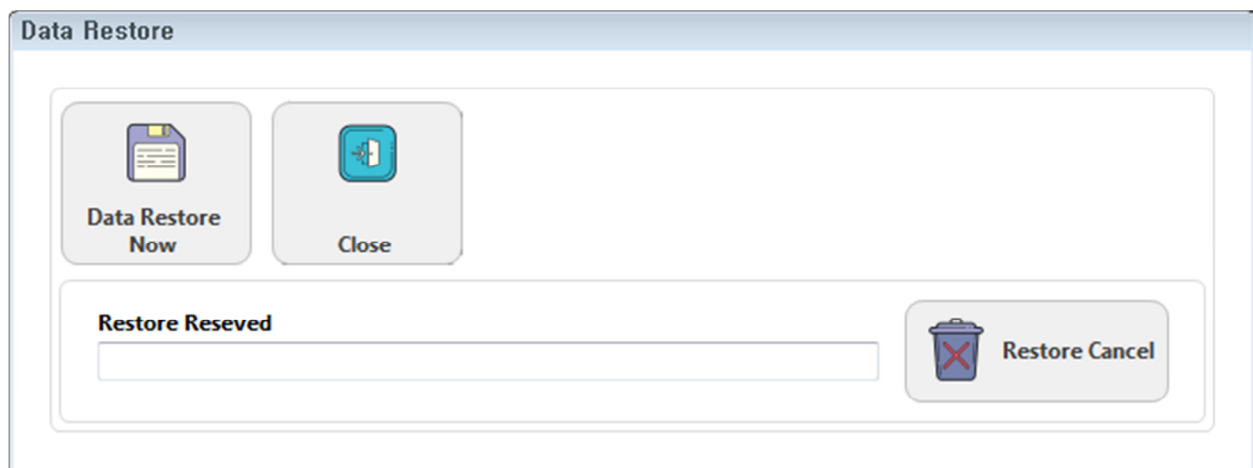
[Previous step | Setting user and patient profiles](#)

Click on the **"Database"** on the menu bar and move to **"Restore Data"** menu.

- ① Click on the **"Data Restore Now"** button to restore database.
- ② A file browser opens. In the look in field, select the file location (folder).
- ③ Select the backup file. (file type is *.sqlite3) Click open.
- ④ Highlight the *.sqlite3 file. The file name appears in file name field. Click open.
- ⑤ The selected database is restored. If you cancel restore files, click the **"Restore Cancel"** button.

You can restore data from the last database backup or other database files. If the restore setting reserved, it will take effect after restarting.

It also cancels restore file to click the **"Restore Cancel"** button



Picture 19 –Data Restore

Tip

- ① It is a good idea to create a backup database file before you import data.