

MedITEX Release Notes

Version 4.0.3

Features

1) MedITEX IVF

a) Security

The database's existing password concept has been revised to further increase the level of security. Passwords of system users and users required by CRITEX GmbH employees to ensure support are now randomly generated at regular intervals and additionally secured with token-based two-factor authentication. Only authorized CRITEX GmbH employees have access to this token. In addition, the key for generating this token is renewed with each major version of MedITEX to further restrict unauthorized access.

A new input field for the token has been added to the login screen.



This field is required if two-factor authentication is activated. If you do not use this feature, the field can be ignored.

For data protection reasons, the user completion function has been removed from the login screen.

b) General

MedITEX now also supports the Hungarian language. This can be defined as usual under personal settings.

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c) Inbox

In addition to the patient, the latest cycle can now also be opened directly from the inbox.

The screenshot shows the 'Inbox overview' window. At the top, there are search filters for Patient search, Order nr. (Sample ID), Date from (29.01.2024), and Attention for (All). Below the filters are tabs for Labor, Kommunikation (+), Telefon, Unverarbeitet, Besprechung, ToDo, Checkliste, and Zu plz. The main area is divided into 'Lab results' and 'Lab orders'. The 'Lab results' table lists various entries with columns for Entry da, Sample ID, Patient, and Approved t. The 'Lab orders' section shows a detailed view for 'Muster, Frau' with fields for ID, Date of birth, Sample ID, and Laboratory. A 'Latest Cycle' button is highlighted with a red box. Below this, there are buttons for 'Open patient', 'Open Scheduler', 'Status: Normal', 'Status: Abnormal', 'Alert', 'Print', and 'Approve'. A table of lab results for '11.06.2024' is also visible, with columns for E2, FSH, HCG, LH, and Progesteron, each with a value and a status indicator.

d) Demographics

The marital status 'widowed' has been added.

The screenshot shows the 'Demographic data of DEMO, DEMO (1)' form. The form has several tabs: Private details, Contact / Occupation details, Insurance / accounting, Referring doctor, Patient questionnaire, and We. The 'Private details' tab is active. The form contains fields for Patient ID (1), Anonymous ID, Responsible clinician, Patient group, Person with disability, From abroad, and Patient status. The 'Personal information' section includes Title (Mrs.), First name (DEMO), Surname (DEMO), Surname at birth, Gender identity, Marital status (Widowed), Date of birth (09/11/1989), Place of birth, Province of birth, Region of birth, and Country of birth. The 'Identity IDs' section includes Identity card ID, Country of issue, Social security number, and Tax code. A 'Note' field is also present.

e) Cycle

The reason for no Embryo Transfer is no longer filled in automatically in order to be able to maintain the documentation correctly.

The fields that are copied when a PID analysis is transferred have been extended.

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f) Cryo Storage

Male Cryo Preservation: added the field “Sperm Source”

Sperm cryo preservation of Demo, John (8)

Collection date: 09.12.2024 14:28
 Date of freezing: 09.12.2024 14:28
 Cryopreserved by:
 Originally from clinic:
 Storage date:
 Stored by:
 Sample ID:
 Straw ID:
 Status:
 # Straws: 1
Material
 Sperm source: Patient
 Type of material:

Oocyte/Embryo Preservation

The two fields 'Egg and sperm source' have been revised. The options 'Patient/donor' and 'Partner/donor' are now available for both fields.

If the material from a cycle is frozen, these two fields are filled automatically.

Oocyte / embryo cryopreservation of Demo, Jane (7)

Follicle aspiration: 02.12.2024
 Date of freezing: 03.12.2024 14:30
 Cryopreserved by:
 Cryo technique:
 Clinic of origin:
 Storage date:
 Stored by:
 Straw ID:
 Status:
 # Straws: 1
Material
 Egg source: Patient
 Sperm source: Partner
 Ovarian tissue:
 # Ooc.: 0 # PN IVF: 2 # Emb. IVF: 0
 # PN ICSI: 0 # Emb. ICSI: 0
 Total number PN: 2 Total number Emb.: 0

Detailed oocyte / embryo properties do not exist because this cryo sample is not linked with a cycle.

The two old fields “With: donor oocytes and donor sperm” are still visible in the grid and correspond to the new fields “Egg source” and “Sperm source”. “With: donor oocyte and donor sperm” can still be used in the report editor.

Oocyte / embryo cryo storage of Demo, Jane (7)

Currently in storage		History									
Cryo ID	Follicle aspiration	Storage date	# Days	# Ooc.	# PN	# Emb.	With: donor oocyte	With: donor sperm	storage location	Pos.	For reser
1	02.12.2024	03.12.2024	6		2		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

During SEC generation, the material type TESE is now also checked in order to generate the code even more appropriately

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g) Report Editor

The egg and sperm origin of the respective Cycle can now also be queried in the Report Editor.

The screenshot shows the 'Report editor: queries' window. On the left, a 'New query (please change the name)' is open with a 'Cycle' field. The 'Cycle' field list includes 'Oocyte source' and 'Sperm source', both of which are checked and highlighted with a red box. On the right, the 'Query result' table is displayed, showing a table with columns 'Position', 'Cycle.Oocyte source', and 'Cycle.Sperm source'. The table contains four rows of data, with the first two columns highlighted by a red box.

Position	Cycle.Oocyte source	Cycle.Sperm source
1	Patient	Partner
2	Patient	Partner
3	Patient	Partner
4	Patient	Partner

The Field- "Partner: Email address" can now be queried under "Persons"

The screenshot shows the 'Report editor: queries' window. On the left, a 'New query (please change the name)' is open with a 'Persons' field. The 'Persons' field list includes 'Partner: email address', which is checked and highlighted with a red box.

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2) MedITEX Accounting

Two new fields 'Purchase price' and 'Percentage of purchase' have been added to the prices for services/materials. These can be displayed using the Show/hide columns function.

Settings v4.0.3.0

Services and materials / prices

Overview of prices | Invoice management | Document templates

Groups | Services and materials | Self-generating billing items

Drag a column header here to group by that column

Name	Code (unique)	Code type	Short code	Group	Description	Colour	Active	Date of creation	Last change
Gonal F 300iu	12			Drug			<input checked="" type="checkbox"/>		
MTHFR	13RF			Other			<input checked="" type="checkbox"/>		
Metabolic Balance Profile	1MB			Invest.			<input checked="" type="checkbox"/>		
4RF - NK assay Panel - TD	4RF			Invest.			<input checked="" type="checkbox"/>		
(All)	5RF			Invest.			<input checked="" type="checkbox"/>		
(Sorted)	6RF			Invest.			<input checked="" type="checkbox"/>		
Price	7RF			Other			<input checked="" type="checkbox"/>		
Factor	8RF			Other			<input checked="" type="checkbox"/>		
Billing category	9RF			Invest.			<input checked="" type="checkbox"/>		
VAT	A111			Invest.			<input checked="" type="checkbox"/>		
VAT code	AB75			Other			<input checked="" type="checkbox"/>		
Discount [%]							<input checked="" type="checkbox"/>		
Insurance (ID of insurer) / funder							<input checked="" type="checkbox"/>		
Valid from							<input checked="" type="checkbox"/>		
Note							<input type="checkbox"/>		
Date of creation							<input type="checkbox"/>		
Last change							<input type="checkbox"/>		
Purchase price							<input checked="" type="checkbox"/>		
Purchase percentage							<input checked="" type="checkbox"/>		

the price is filled, all other fields need to stay empty

Billing category, insurance and validity can be left blank, then they are therefore always valid. On creating an invoice the price will be determined according to billing category as the first criteria, and then according to insurance, in dependence of validity.

Price	Billing category	Insurance (ID of insurer) / funder	Valid from	Purchase price	Purchase percentage
0					0,00 %
0					0,00 %
1720					0,00 %

The automatic billing items have been extended by the event type 'Scheduler - patient absent'

Settings v4.0.3.0

Services and materials / prices

Overview of prices | Invoice management | Document templates

Groups | Services and materials | Self-generating billing items

Events in MedITEX IVF and MedITEX Scheduler can trigger automatically billing items.

Events

Scheduler - Patient absent

Name	Description	Event type	Triggering event
Change status of patient appointment into "Appointment absent" (general)	Change appointment status independent on appointment treatment	Scheduler - Patient absent	<input type="checkbox"/>
Patient absent (HL7 Import)	Change appointment status dependent on appointment treatment (reason of appointment)	Scheduler - Patient absent	<input type="checkbox"/>

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3) MedITEX Administration

Rights can now be assigned as to whether a user or user group is allowed to edit prescription templates or templates for cycle planning, as well as the demographic data in the appointment scheduler.

Rights management

Administration of user rights

Select a user or a user group in the left panel, and assign rights to various section subsections on the right, using the right mouse button.

User groups and individual users who are not assigned to a group

- Full control**
- Only patient data
- Read only on all sections

Administration of rights for user group "Full control"

You can change rights of selected section over right click of your mouse.

Program section	Access right	Can unlock data
MedITEX IVF		
⊕ Cryo		
⊕ Cycle		
⊕ Demographics and consents		
⊕ Reports and export		
⊕ Settings		
⊖ Templates		
Prescription templates		
Planned cycle templates		
Clinics, referring doctors and insurance c		
Communication		
Donation		
Examinations and findings		
Lab diagnostics and semen analysis		
Medical histories		
MedITEX Scheduler		
⊕ Appointments		
⊖ Demographics and consents		
Demographics (demographic data)		
Settings		
MedITEX Accounting		
Settings		

Cancel Take over

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4) MedITEX Scheduler

Whether a treatment communicates with another application can now be viewed directly in the overview. This can be displayed using the Show/hide columns function.

The screenshot shows the 'MedITEX Scheduler Internal Debug v4.0.3.0' application window. The 'Settings' window is open, and the 'Treatments' tab is selected. The interface includes a menu bar (File, System, Reports, Import, Info) and a toolbar with buttons for 'New treatment', 'Edit treatment', and 'Delete treatment'. A checkbox for 'Sort treatment selection in appointment editor alphabetical' is checked. Below the toolbar, there is a list of columns to be displayed in the main table. The 'App' column is highlighted with a red box. The main table below also has an 'App' column highlighted with a red box.

Treatment	Appointment type	Duration [days]	Duration [hh:mm]	Colour	Active	App. not displayed in web portal	App. request over web portal possible	(First) linked resource	Icon	App
<input checked="" type="checkbox"/> (All)			00:15		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/> (Sorted)			00:30		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<input checked="" type="checkbox"/> Treatment			00:30		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/> DICOM Identifier			01:00		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Doe, Jane		
<input checked="" type="checkbox"/> Appointment type			01:00		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Doe, John		
<input checked="" type="checkbox"/> Duration [days]			02:00		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<input checked="" type="checkbox"/> Duration [hh:mm]			01:00		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Doe, Jane		
<input checked="" type="checkbox"/> Colour			01:00		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Doe, John		
<input checked="" type="checkbox"/> Active			00:15		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<input checked="" type="checkbox"/> App. not displayed in web portal			00:30		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<input checked="" type="checkbox"/> App. request over web portal possible			00:45		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/> Autom. SMS reminder			00:30		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
<input type="checkbox"/> Note			00:30		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/> (First) linked resource			01:00		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	StimStart		
<input checked="" type="checkbox"/> Icon			00:30		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/> App										

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Bugs

1) MedITEX IVF

a) General

File paths are now saved correctly again when the document is converted to PDF.

Error messages in the inbox have been fixed.

Fixed Translation: Mixing Ratio (in System Settings > Drugs)

BMI now displays the correct unit

b) Report Editor

Links and queries work as usual again.

Letters with stored macros in the templates can now be created again.

c) Consent Forms

All linked Cycles are now displayed again in the consent forms.

d) Cryo Preservation

Software crashes when thawing the last strain of a cryo contract are prevented.

Display errors in the SEC or SEC button have been fixed.

e) Donor

Deleting a partially used reserved sample no longer results in an error message.

f) Preferences

New entries in the system tables that are not visible now appear again as usual.

2) MedITEX Administration

Column names have been adjusted.

3) MedITEX Scheduler

New Column: Domicile Code is now available under All Appointments (NZ only)

4) MedITEX Accounting

The invoice area has been enlarged and now adapts to the window size.