FUJIFILM

FCR CAPSULA V VIEW / FCRView VETERINARY

CR-IR 355V CL

Service Manual

Export Restrictions Applying to CR-IR 355V CL

Japanese export restrictions and foreign exchange regulations apply to this equipment. Therefore, government approval obtained through due procedure is required in order to export or otherwise remove such equipment from Japan.

Note that the same restrictions apply not only to the main unit but also to after-sale parts, service manuals and service training (for exporting or transferring technology) when such items are dispatched or shipped to foreign countries and when service training is given for trainees from foreign countries.

The correlation between mR (milliroentgen), a unit of radiation dose, and µC/kg (microcoulomb/kilogram), an international unit of radiation dose, is 1mR=0.258µC/kg.
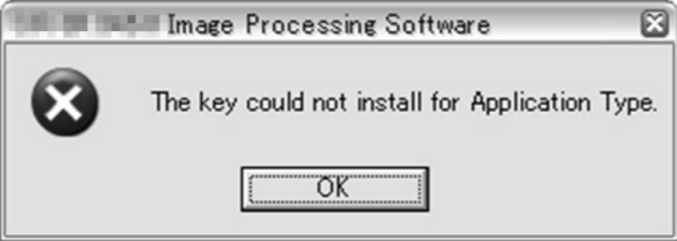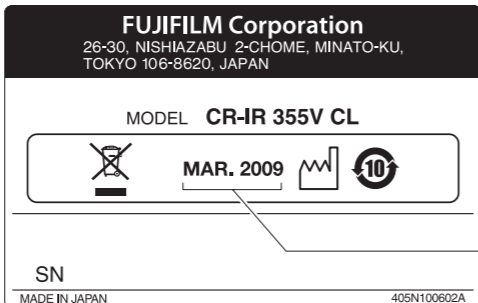
Information on the Veterinary Clinic System

Servicing tasks performed for the "CR-IR 355V CL" (used at veterinary clinics) and the "CR-VW 674" (used at hospitals) are nearly the same.
Before performing servicing tasks, obtain a thorough understanding of the veterinary clinic system procedures, functions and other pertinent items described herein.
When performing servicing tasks for the veterinary clinic system, read the descriptions included in the Service Manual for the hospital use system as if they were for veterinary clinic use.

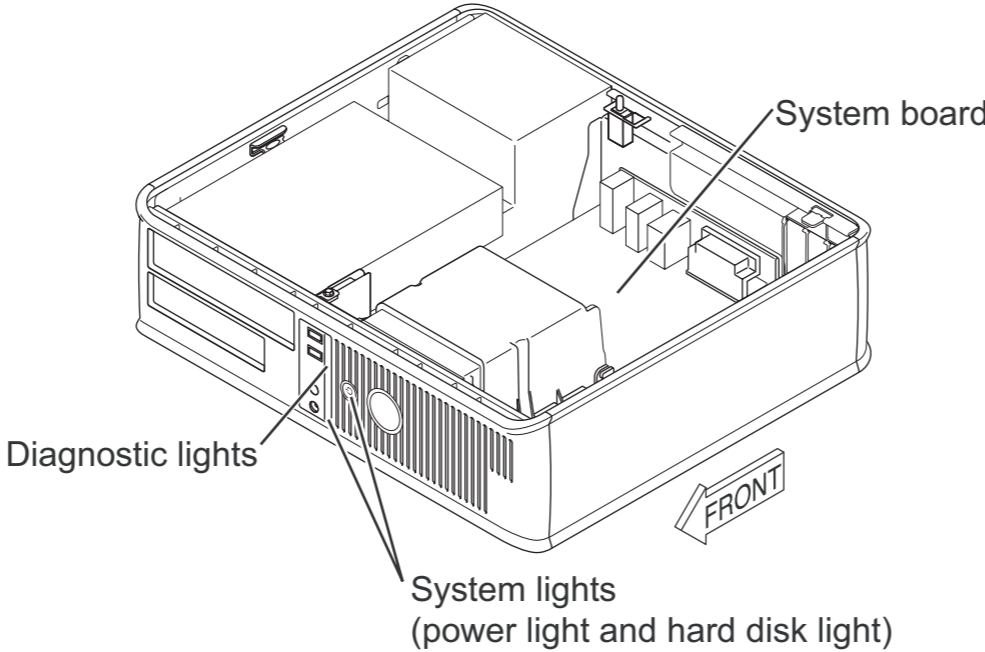| Item	Description	Affected Chapters, Sections and Paragraphs
Product name	Product names used are different. For hospitals → FCRView For veterinary clinics → FCR CAPSULA V VIEW (*1) (*1) "FCRView VETERINARY" for products shipped to North America.	All pages
Reinstallation procedure	● Installing a Settings File 　Type of facilities are different. 　- For hospitals → "Hospital/Medical Clinic" 　- For veterinary clinics → "Veterinary Hospital"	MC : Section 1

Item	Description	Affected Chapters, Sections and Paragraphs
Reinstallation procedure (continued)	• CR-IR 346V/391V Image Processing Software Installation ◆◆ *CAUTION* ◆◆ **Be sure to reinstall this software after mother board replacement, because this software is inactivated, same as with the option key software, when mother board is replaced.** ◆ *NOTE* ◆ *The image processing software for veterinary to be attached on the device is CR-IR 391V Image Processing Software for FCR CAPSULA V VIEW V5.0 or later and is CR-IR 346V Image Processing Software for FCR CAPSULA V VIEW V4.0 or earlier. To install, you must use the software attached on the device.* *Also, The CR-IR 346V Image Processing Software is available both for the CR-IR 355V CL and CR-IR 346V CL systems.* *CR-IR 391V Image Processing Software is available both for the CR-IR 355V CL and CR-IR 391V CL systems.* *Note however that the CR-IR 355V CL requires CR-IR 346V Image Processing Software V2.0.* 1. Insert the Image Processing Software CD into the DVD drive. → The "Image Processing Software" starts running automatically.(*1) 2. Click [Continue]. → A window opens to indicate completion of the installation processing. 3. Click [OK]. 4. Remove the CD from the DVD drive. (*1) If a window like that shown below opens, it indicates that the necessary software is not installed. In such cases, reinstall the OS so that the Image Processing Software is installed appropriately. Image Processing Software The key could not install for Application Type. OK	MT : Section 4 MC : Section 1

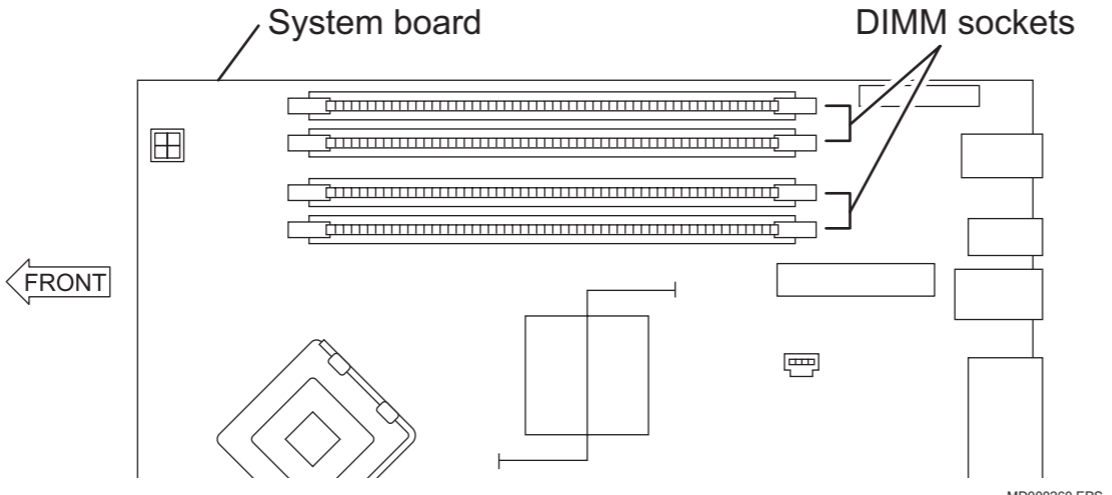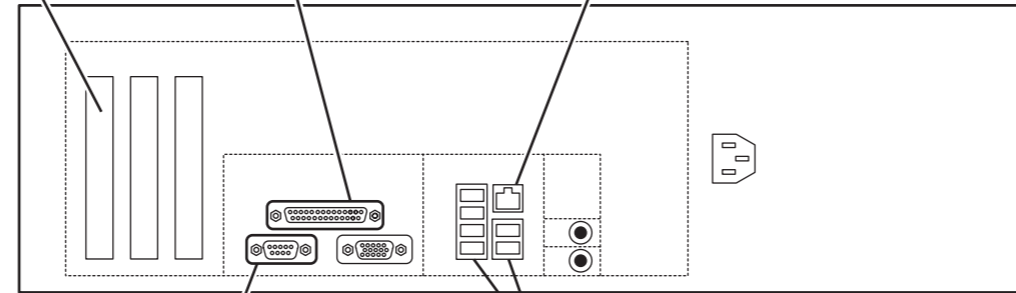| Item	Description	Affected Chapters, Sections and Paragraphs

Installation procedure	• 355V CL Software Version Upgrade
	● Uninstalling Roxio CREATOR Plus (for version upgrade from V2.0)
	  Uninstall Roxio CREATOR Plus from the DVD driver as follows.
	
	1. From the [Start] menu, select [Control Panel].
	  → The "Control Panel" window opens.
	2. Double-click [Add/Remove Programs].
	  → The "Add or Remove Programs" window opens.
	3. From the "Currently installed programs:" list, select a program that includes the name of "Roxio Creator." Click then [Remove].
	  → The selected program will be uninstalled.
	4. Using the same procedure, uninstall all programs that include the name of "Roxio Creator."
	5. Close the "Add or Remove Programs" window.
	  → The system returns to the "Control Panel" window.
	6. Close the "Control Panel" window.
	  → The system returns to the desktop window.
	7. Restart the PC.
	8. Input the following on the login window that opens, and click [OK].
	  Username : "fujicr"
	  Password : "system"
		MC : Appendix 2

User interface	Initial windows used are different. For hospitals → CR-VW 674 [FCRView] For veterinary clinics → CR-IR 355V CL [FCR CAPSULA V VIEW] (* "CR-IR 355V CL [FCRView VETERINARY]" for the systems used in North America.) ◆ *NOTE* ◆ *"CR-IR 346V Image Processing Software" or "CR-IR 391V Image Processing Software" appears in the ready-made software items listed in the bottom-right of the initial window.* *The CR-IR 346V Image Processing Software is available both for the CR-IR 355V CL and CR-IR 346V CL systems.* *CR-IR 391V Image Processing Software is available both for the CR-IR 355V CL and CR-IR 391V CL systems.* *CR-IR 391V Image Processing Software is the software which attached to CR-IR 355V CL V5.0 or later.* The icons that include contours of humans have been changed to those of an animal (dog).	IN : Section 5
Name plate	• Identification label Attached to the PC. **FUJIFILM Corporation** 26-30, NISHIAZABU 2-CHOME, MINATO-KU, TOKYO 106-8620, JAPAN MODEL **CR-IR 355V CL** MAR. 2009 (10) SN MADE IN JAPAN 405N100602A Sample year of manufacture	Safety Precautions : Section 1

Item	Description	Affected Chapters, Sections and Paragraphs
Part numbers	Part numbers are different 　　AP Key : 114Y5154002A 　　IMAGE OUT Key	IN　:　Section 2 　　　Appendixes 2, 3, 4, 5, 6, 12 and 13
Shipped components Product code	Components shipped for the veterinary clinic system (CR-IR 355V CL) are as shown below. Hardware {hardware table below} Software {software table below}	Product Specifications : Section 1

Hardware

Product Code	Description	Q'ty	Remarks
IR 355 CL VE A6-V2.3 B E	Control Unit		
	PC control unit (HP Compaq 6300Pro SF/Core i3-3220 Non-RAID WIN 7)	1	
	DisplayPort-DVI converting connector	1	
	OS Reinstallation Disk for 6200/6300/8200/8300 (Win7 SP1 + IE8)	1	
	Resource Disk for 6300/8300	1	
	PC Diagnostics Disk for 6300/8300	1	
	Identification label	1	
	CR-IR 355V CL Application Software V2.3(B)	1	
	CR-IR 355CL/355V CL Standard Kit	1	
	CR-IR 391V Image Processing Software	1	
	Manual Kit for Veterinary Clinics		
	CR-IR 355V CL Reference Guide	1	
	CR-IR 355V CL Operation Manual	1	
	CR-IR 355V CL Quick Guide	1	
	Software License Agreement	1	

Software

Product Code	Description	Q'ty	Remarks
IR 355 CL VE SOFT V2.3 B E	CR-IR 355V CL Application Software V2.3(B)	1	
	Identification label	1	
	CR-IR 355CL/355V CL Standard Kit	1	
	CR-IR 391V Image Processing Software	1	
	Manual Kit for Veterinary Clinics		
	CR-IR 355V CL Reference Guide	1	
	CR-IR 355V CL Operation Manual	1	
	CR-IR 355V CL Quick Guide	1	
	Software License Agreement	1	

Item	Description	Affected Chapters, Sections and Paragraphs

Optional components	Optional components shipped for the veterinary clinic system (CR-IR 355V CL) are as shown below.
	
	<table><tr><th>Product Code</th><th>Description</th><th>Q'ty</th><th>Remarks</th></tr><tr><td>IR 355 CLNT VE A6-V2.3 B E</td><td>Control unit
	  PC control unit (HP Compaq 6300Pro SF/Core i3-3220 Non-RAID WIN 7)
	  DisplayPort-DVI converting connector
	  OS Reinstallation Disk for 6200/6300/8200/8300 (Win7 SP1 + IE8)
	  Resource Disk for 6300/8300
	  PC Diagnostics Disk for 6300/8300
	  Identification label
	CR-IR 355V CL Client Application Software V2.3(B)
	CR-IR 355CL/355V CL Client Activate Key</td><td>1
	1
	1
	1
	1
	1
	1
	1</td><td></td></tr><tr><td>OPTIPLEX MEM 4GB TYPE 11 E</td><td>Expansion memory (2GB) for Optiplex 780/790/990 (authentic product of DELL)</td><td>2</td><td></td></tr><tr><td>IR 674 LCD-17 E</td><td>17inch LCD(Nanao FlexScan S1721-XSHBK)</td><td>1</td><td></td></tr><tr><td>IR 674 LCD-22W E</td><td>22inch Wide LCD (Nanao FlexScan S2242W)</td><td>1</td><td></td></tr><tr><td>IR 674 LCD-24W E</td><td>24inch Wide LCD (Nanao FlexScan MX240W)</td><td>1</td><td></td></tr><tr><td>IR 674 LCD-2M C E</td><td>21.3inch LCD (RadiForceRX220)</td><td>1</td><td></td></tr><tr><td>IR 674 LCD-MLT23W E</td><td>23inch multi-touch screen monitor (Nanao RadiForce MS231WT)</td><td>1</td><td></td></tr><tr><td>IR 355 BD FOR DUAL MONITOR A E</td><td>Video Card for Dual Monitor (ATI FirePro V3800)</td><td>1</td><td></td></tr><tr><td>IR 355 MFP A E</td><td>CR-IR 355CL/355V CL MFP Key Software</td><td>1</td><td></td></tr><tr><td>IR 355 DICOM PRINT A E</td><td>CR-IR 355CL/355V CL DICOM Print Key Software</td><td>1</td><td></td></tr><tr><td>IR 355 IMAGE OUT A E</td><td>CR-IR 355CL/355V CL JPG/BMP/DCM File Output Key</td><td>1</td><td></td></tr><tr><td>IR 355 DICOM STORAGE A E</td><td>CR-IR 355CL/355V CL DICOM Standard CR Storage Key</td><td>1</td><td></td></tr><tr><td>IR 355 CLNT SOFT V2.3 B E</td><td>CR-IR 355V CL Client Application Software V2.3(B)
	CR-IR 355CL/355V CL Client Activate Key</td><td>1
	1</td><td></td></tr><tr><td>IR 355 F-LAYOUT PRINT E</td><td>CR-IR 355CL/355V CL Free Layout for DICOM Standard Print</td><td>1</td><td></td></tr><tr><td>IR 355 VE IMPORT US A E</td><td>CR-IR 355CL/355V CL DICOM US Storage SCP Key Software</td><td>1</td><td></td></tr><tr><td>IR 355 VE IMPORT IMAGE A E</td><td>CR-IR 355CL/355V CL General-Purpose Image Importer Key Software</td><td>1</td><td></td></tr><tr><td>IR 355 VE DICOM ID MWM E</td><td>CR-IR 355CL/355V CL DICOM ID MWM Key Software</td><td>1</td><td></td></tr><tr><td>IR 355 VE ORDER MWM/ MPPS E</td><td>CR-IR 355CL/355V CL DICOM ORDER MWM/MPPS Key Software</td><td>1</td><td></td></tr><tr><td>IR 355 VE IMPORT ES E</td><td>CR-IR 355CL/355V CL Endoscope Image Importer Key Software</td><td>1</td><td></td></tr><tr><td>IR 355 VE IMPORT CT/MRI E</td><td>CR-IR 355CL/355V CL DICOM CT Storage SCP Key Software</td><td>1</td><td></td></tr></table>
		Product Specifications : Section 1
		MT : Section 4
		IN : Section 3

Item	Description	Affected Chapters, Sections and Paragraphs

Settings for connection to a client PC	• Implementing SetupForClient.bat
	
	3. Enter "2" (Veterinary Hospital) from the keyboard and press the <Enter> key.
	   → A window opens, where a desired language is to be selected.
	
	4. Select a language you want and press the <Enter> key.
	
	   ◆ *NOTE* ◆
	   Select the same language as that selected on the server side, as determined in "4.2 Changing the Displayed Language and Replacing the Menu Database" under "IN: Installation."
	
	   → A window opens, where a type of product model is to be selected.
	
	5. Enter "1" (Cansole Application) from the keyboard and press the <Enter> key.
	   → A window opens, where a type of monitor type is to be selected.
		IN : Appendix 3

Connectors	This section shows locations of the connectors and memory slots of the PCs below. • Dell OptiPlex 745 • Dell OptiPlex 755 • Dell OptiPlex 760 • Dell OptiPlex 780 ■ Dell OptiPlex 745 ● System board location System board Diagnostic lights FRONT System lights (power light and hard disk light) MD000261.EPS	MD : Section 1

Item	Description	Affected Chapters, Sections and Paragraphs
Connectors	● Memory modules 　1GB memory is installed and shipped from factory. System board　　　　　　　　　　　DIMM sockets FRONT MD000260.EPS ● Connector configuration (PC rear panel) 　　Parallel port connector ● Video connector　　　　　　　　　　● NIC connector ● Serial port connector　　● USB port 　　　　　　　　　　　　　　　(6-port) ● Indicates the connector used for the 355V CL MD000262.EPS ■ Dell OptiPlex 755 / 760 ■ Dell OptiPlex 780	MD : Section 1

Item	Description			Affected Chapters, Sections and Paragraphs
Format application path	**OS**	**Version**	**File path**	MU : Section 5, 6 IN : Section 4
	XP	V2.0	C:\WINDOWS\system32\DLA\DLACMD_W.EXE FORMAT D:	
		V3.0	C:\Program Files\FujiFilm\Hobbit\System\FFUdfFmtTool D	
		V4.0	C:\Program Files\FujiFilm\HBT\FFUdfFmtTool /E D:	
		V5.0 or later	C:\Program Files\FujiFilm\BHA\FFUdfFmtTool.exe /E D:	
	Vista / 7	V5.0 or later	C:\Program Files\FujiFilm\Hobbit\System\FFUdfFmtToolForVista.exe D	
Software function overview	**Function**		**Description**	MD : Section 3
	Adding Annotations			
	Measurement		Measures the image and displays the measuring result. The following measurement functions can be used. • Measure line segment • Simplified cardiothoracic ratio • Cardiothoracic ratio • Interline angle • Dual line angle • Cobb angle • VHS • TPA	
Upgrading to V2.0(B)	◆ *NOTE* ◆ *Upgrading to V2.0(B) can only perform from following version.* • *CR-IR 355V CL : V5.0, V5.1, V1.1(B)*			MC : Appendix 2
Installing the Disc Burning Module (upgrading from V3.2 or earlier to V4.0 or later) [Windows XP only]	9. Remove the Disc Burning Module CD from the DVD drive. ◆ *NOTE* ◆ *When upgrading CR-IR 355V CL from V3.2 or earlier to V4.0 or later, perform the step 10.*			MC : Appendix 2

Various Setting Procedures for Veterinary

1. Unit Setting in Service Utility

1. **Start up the service utility.**

→ The "Service Utility top" window opens.
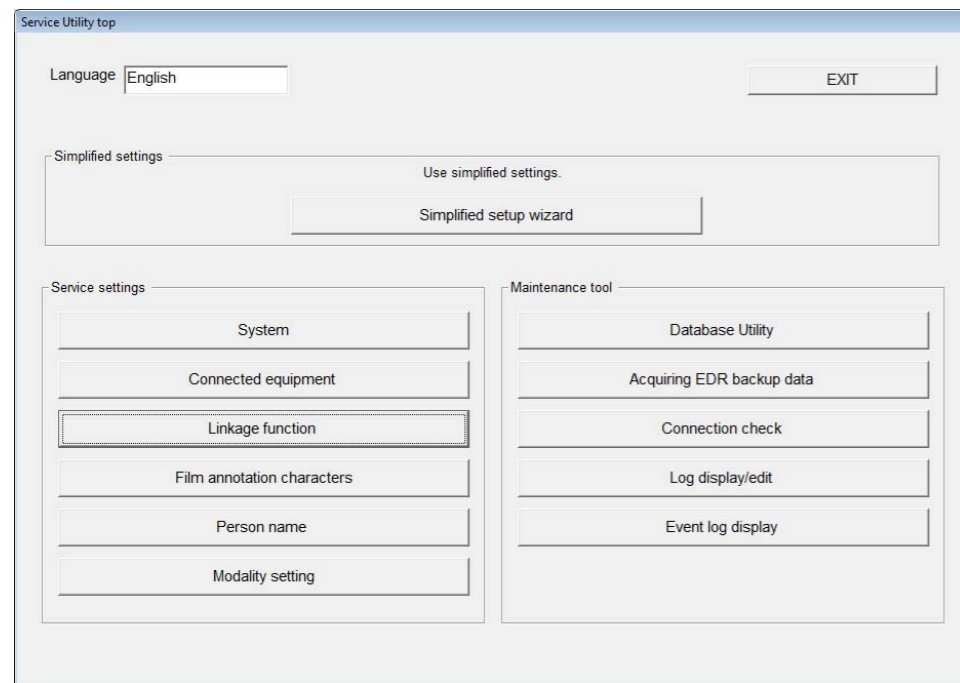
```
Service Utility top

Language  English                                    EXIT

Simplified settings
                        Use simplified settings.
                      Simplified setup wizard

Service settings                    Maintenance tool
          System                          Database Utility
     Connected equipment              Acquiring EDR backup data
       Linkage function                  Connection check
    Film annotation characters            Log display/edit
         Person name                     Event log display
        Modality setting
```
Animal001.AI

2. **Click the [System] button.**

→ The "System setting" window opens.

```
System settings

System settings
 Filtering setup items
   All                                    ▼
 Setup item list

 Number    Setup item name              Setup value
 4-1     Whether to use guidance function on the   No
         exposure screen.
         Whether to perform automatic output of
 4-2     the studies re-verified (previously-verified  Yes
         studies which were verified once again
         after necessary modifications have been
         applied ).
 4-3     Display unit of size measurement :    0:m
 4-4     Display unit of weight measurement:   0:kg
                                         0:Inch

      Cancel                              OK
```
Animal002.AI

3. **Select [All] for "Filtering setup items".**

4. **Select an appropriate value for 4-3 "Display unit of size measurement:".**
The selectable setup values are 0:m, 1:cm, 2:inch, and 3:feet.

5. **Select an appropriate value for 4-4 "Display unit of weight measurement:".**
The selectable setup values are 0:kg, 1:g, 2:stone, and 3:pound.

2. Importing and Exporting Species and Breed Data in User Utility

1. **Start up the user utility.**

   → The "Main Menu" window opens.

Animal002.AI

2. **Click the [Input/output of Veterinary DB] button.**

   → The "Import/export of Species Breed" window opens.

Animal004.AI

3. **Click the [Selection of folder] button, and select a file or folder to be imported or exported.**

4. **Click the [Export] or [Import] button. 2 files with specific names are exported or imported.**
   Specifications of files are shown below.

   I. Common specification

   - The first line is a header line, the 2nd line and later are the actual data.
   - Headers cannot be changed from the specified character strings.
   - A format is tab-delimited format.
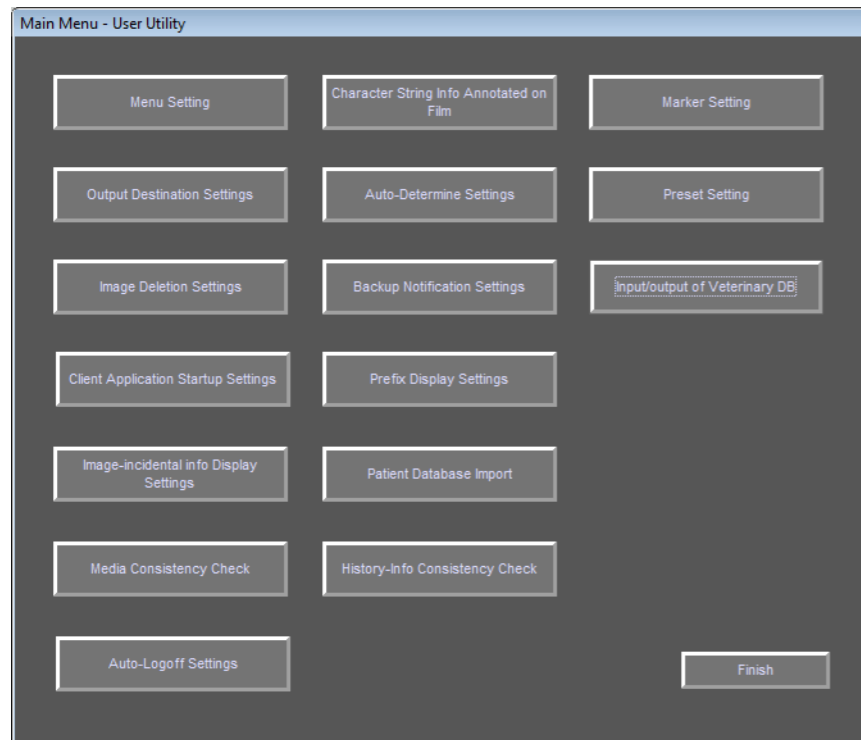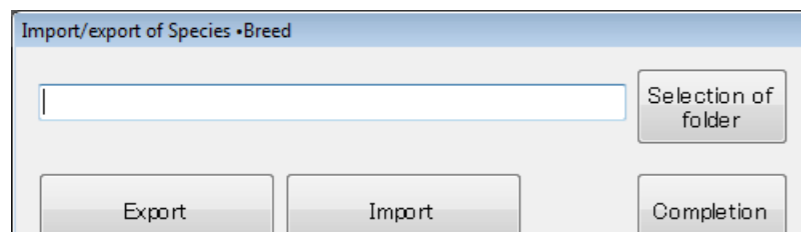   - Character code is Unicode.
   - Enclose an item including "," with double quotation marks("").
   - A tab cannot be a part of an item.
   - An entire line cannot be enclosed with double quotation marks. Please note that the file is saved in this format by the editor.
   - It is recommended to edit the exported csv files and import them.
   - Back up the exported csv files before editing.

   II. Species.csv

   [SPECIES_SEQ]
   Integer from 1 through 2147483647, which does not overlap with other SPECIES_SEQ.
   When currently used SPECIES_SEQs are changed, patient information registered as the species are also changed.
   Do not make the unintended changes.

   [DATA_TYPE]
   0: DICOM defined / 1: FUJIFILM defined record / 2: User defined record
   For newly added items, enter "2".

   [CODING_SCHEME_DESIGNATOR]
   Follow DICOM Standard Part16 CID 7454 only when DATA_TYPE is "0".
   Up to 16 characters.

   [CODE_VALUE]
   Follow DICOM Standard Part16 CID 7454 only when DATA_TYPE is "0".
   Up to 16 characters.

   [CODE_MEANING]
   Follow DICOM Standard Part16 CID 7454 only when DATA_TYPE is "0".
   Up to 64 characters.
   * Confirm "Prohibited characters" described later.

[DISPLAYED_NAME]
  A name used in the system.
  Duplicated name cannot be used.
  Up to 64 characters. Space alone cannot be used.
  * Confirm "Prohibited characters" described later.

[USE_RECORD]
  A flag to specify whether to make this record a search target in the Input ID
  window.
  TRUE : Become the search target
  FALSE : Does not become the search target

[DELETE_FLAG]
  A flag to specify whether to use this item in the system, including species
  customizing window.
  * An item deleted in customizing become usable when it is set to "FALSE".
    TRUE :   Use
    FALSE : Do not use

III. Breed.csv

  [BREED_SEQ]
    Integer from 1 through 2147483647, which does not overlap with other
    SPECIES_SEQ.
    When currently used SPECIES_SEQs are changed, patient information
    registered as the species are also changed.
    Do not make the unintended changes.

  [SPECIES_SEQ]
    This record corresponds to SPECIES_SEQ in Species.csv, and indicates to
    which species this record belongs.
    Values that do not exist in SPECIES_SEQ in Species.csv will be an error.
    An error also occurs if a corresponding DELETE_FLAG of SPECIES_SEQ
    in Species.csv is "TRUE".
    When currently used SPECIES_SEQs are changed, patient information
    registered as the species are also changed.
    Do not make the unintended changes.

  [DATA_TYPE]
    0: DICOM defined / 1: FUJIFILM defined record / 2: User defined record
    For newly added items, enter "2".

  [CODING_SCHEME_DESIGNATOR]
    Follow DICOM Standard Part16 CID 7454 only when DATA_TYPE is "0".
    Up to 16 characters.

[CODE_VALUE]
  Follow DICOM Standard Part16 CID 7454 only when DATA_TYPE is "0".
  Up to 16 characters.

[CODE_MEANING]
  Follow DICOM Standard Part16 CID 7454 only when DATA_TYPE is "0".
  Up to 64 characters.
  * Confirm "Prohibited characters" described later.

[DISPLAYED_NAME]
  A name used in the system.
  A name duplicated in the same SPECIES_SEQ cannot be used.
  Up to 64 characters. Space alone cannot be used.
  * Confirm "Prohibited characters" described later.

[USE_RECORD]
  A flag to specify whether to make this record a search target in the Input ID
  window.
  TRUE : Become the search target
  FALSE: Does not become the search target

[DELETE_FLAG]
  A flag to specify whether to use this item in the system, including breed
  customizing window.
  * An item deleted in customizing becomes usable when it is set to "FALSE".
    TRUE :   Use
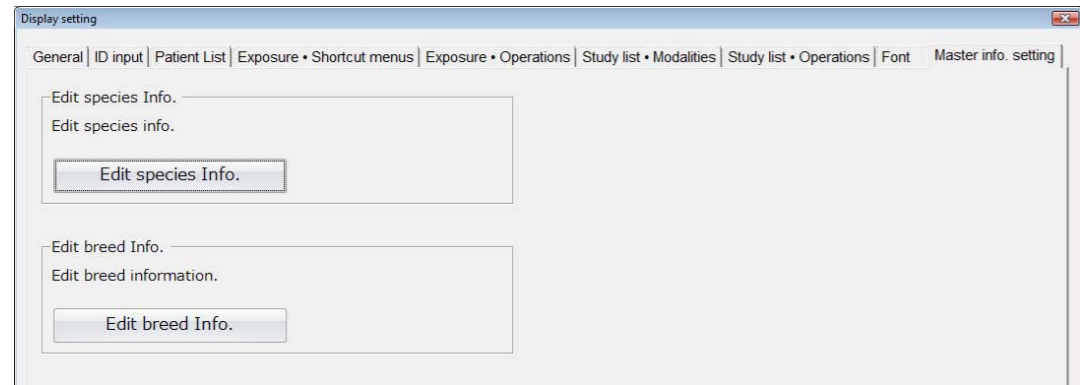   FALSE : Do not use

Prohibited characters
  *, @, ?, ", %, &, +, ¥, <
  Characters above cannot be used.

5. **Click [Completion] to finish.**

3. Verifying Importing Operation

1. **Select "Customize" from "Utilities" at the lower right of the patient-originated window.**

→ The "Display setting" window opens.

Animal005.AI

2. **Click the [Edit species Info.] button.**

→ The "Edit species Info." window opens.
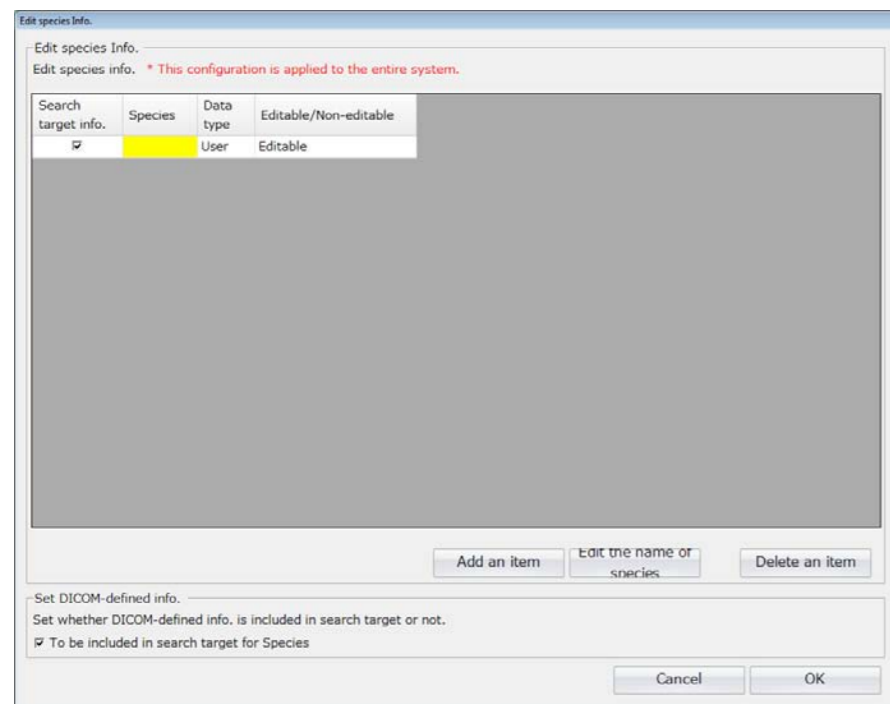
Animal006.AI

3. **Confirm that the contents of "Species.csv" are reflected, and click the [OK] button.**

→ The system returns to the "Display setting" window.

4. **Click the [Edit breed Info.] button.**
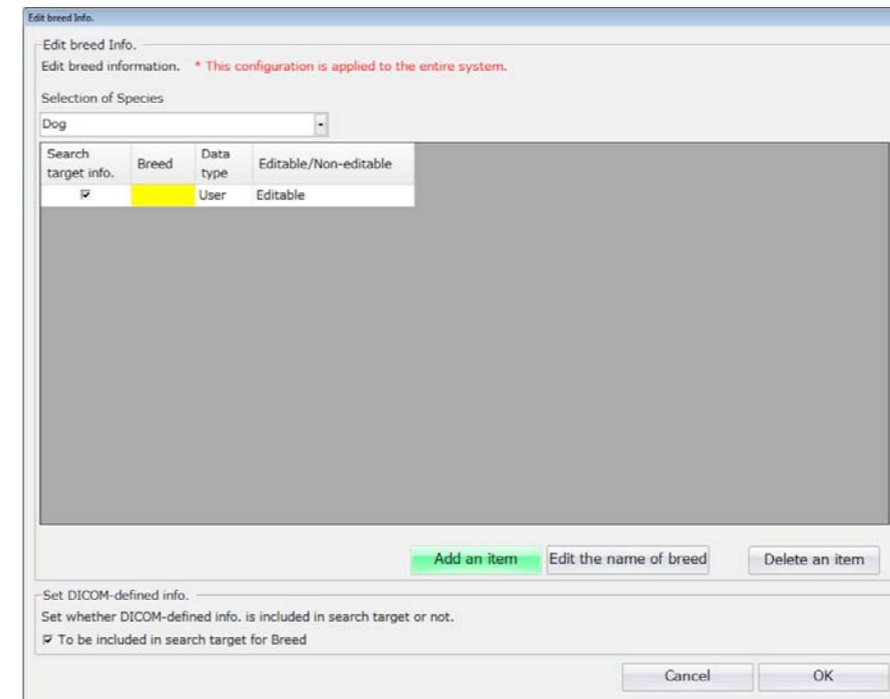
→ The "Edit breed Info." window opens.

Animal007.AI

5. **Confirm that the contents of "Breed.csv" are reflected, and click the [OK] button.**

→ The system returns to the "Display setting" window.

6. **Click the [OK] or [Cancel] button.**

→ The system returns to the desktop screen.

4. The Procedure for Correcting the Error that Disables Lumber Vertebrae Preset for Veterinary Use

■ Overview

It has been reported from a veterinary clinic that an error disabled displaying selectable preset menus even though preset was selected while viewing a lumber vertebrae image in the viewer screen.

As a result of the investigation, an inconsistency was found in a part of the preset menu management database.

To solve this problem, this section provides the procedure for correcting the preset menu data.

■ Applicable Conditions

- CR-IR 355V CL V5.0 or later
- CR-IR 391V CL V1.0 or later

■ Procedure

◆ NOTES ◆

• *Perform the procedure only on the Sever PC.*

• *Terminate both Server application and Client application before performing the procedure.*

● Preparation of the batch file (UpdateveterinaryPresetDB.bat)

◆ NOTE ◆

In this procedure, creating and executing file are required. If you copy texts from the PDF, line feeds and spaces may exist at unintended places.

If you can see ECN, the operation in accordance with the contents of the following ECN is recommended.

"ECN 2012-E-0127 The Procedure for Correcting the Error that Disables Lumber Vertebrae Preset for Veterinary Use"

If you cannot see ECN, you have to perform the operation in accordance with this procedure. Carefully confirm that there is no error in the created file before executing the file.

Especially pay attention to the positions of line breaks and spaces.

1. **Open a new Notepad.**

2. **Input the following contents.**

◆ NOTE ◆

• *The red string in the following file contents is the string which extends across multiple lines when being shown here but has to be in one line on the file. If you copied the contents from the PDF to the Notepad, delete the line feed character so that the red string becomes one line.*

• *If you copy texts from the PDF, line feeds and spaces may exist at unintended places. Carefully confirm that there is no error in the created file.*

```
@echo ---- Veterinary PresetDB Update ----
@echo.
@echo Start
@echo.
@echo off
pause
REM --Before Execute
bcp Preset.dbo.T_MPRESET        out T_MPRESET_before.csv       -U SA -P fcr-dms -c -t "," > tmp.log
bcp Preset.dbo.T_MPRESET_REGION out T_MPRESET_REGION_before.csv -U SA -P fcr-dms -c -t "," > tmp.log

REM --Execute
osql -U SA -P fcr-dms -d Preset -i UpdateveterinaryPresetDB.sql -o result.log

REM --After Execute
bcp Preset.dbo.T_MPRESET        out T_MPRESET_after.csv        -U SA -P fcr-dms -c -t "," > tmp.log
bcp Preset.dbo.T_MPRESET_REGION out T_MPRESET_REGION_after.csv -U SA -P fcr-dms -c -t "," > tmp.log

REM -- Delete log
del tmp.log

@echo.
@echo Finish
@echo.

:END
pause
```

3. **Save the file as "UpdateveterinaryPresetDB.bat".**

● **Preparation of the script file (UpdateveterinaryPresetDB.sql)**

1. **Open a new Notepad.**

2. **Input the following contents.**

```
-- Update T_MPRESET
UPDATE T_MPRESET SET REGION_CODE = 3 WHERE REGION_CODE = 16

-- Update T_MPRESET_REGION
UPDATE T_MPRESET_REGION SET NAME = 46939 WHERE CODE =  3
UPDATE T_MPRESET_REGION SET NAME =       0 WHERE CODE = 16

Go
```

3. **Save the file as "UpdateveterinaryPresetDB.sqlt".**

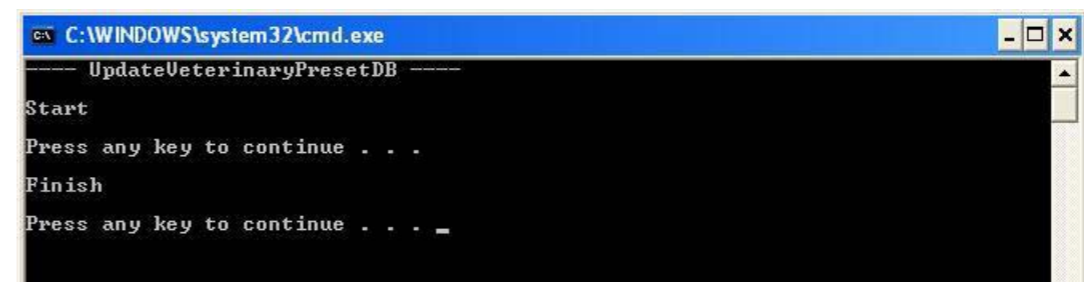● **Executing the batch file (UpdateveterinaryPresetDB.bat)**

1. **Double-click the batch file (UpdateveterinaryPresetDB.bat) on the desk top.**

2. **When "Press any key to continue..." is displayed, press the <Enter> key.**

Animal008.AI

→ Wait untill the message "Finish" appears.

3. **When "Press any key to continue..." is displayed, press the <Enter> key.**
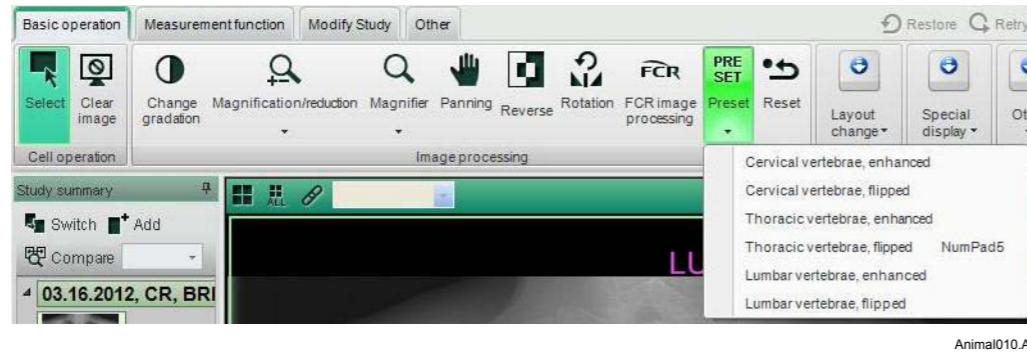

Animal009.AI

■ Verification procedure

1. Restart the PC.

→ The "Image viewer" window opens.

2. Make sure that the following operations display the preset menus for the FCR studies of vertebral body (Cervical vertebrae and lumber vertebrae).

I. Select "Basic operation" tab and click [PRESET].

Animal010.AI

II. Select "Basic operation" tab and click [FCR image processing] - [Preset Setting].

Once the "Organize preset list" is displayed, confirm that the following preset menus are displayed.
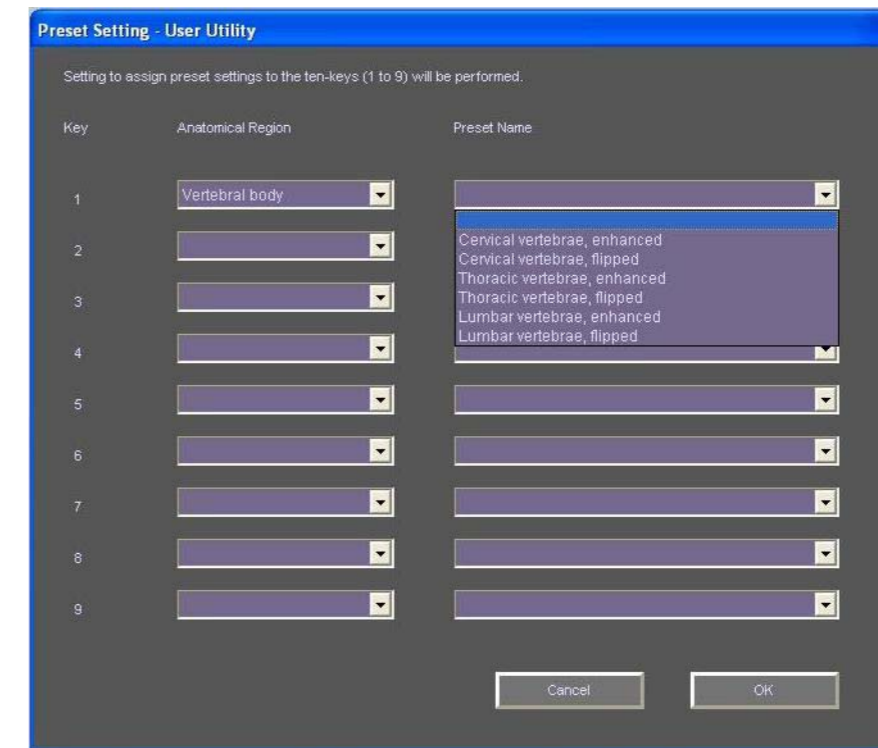

Animal011.AI
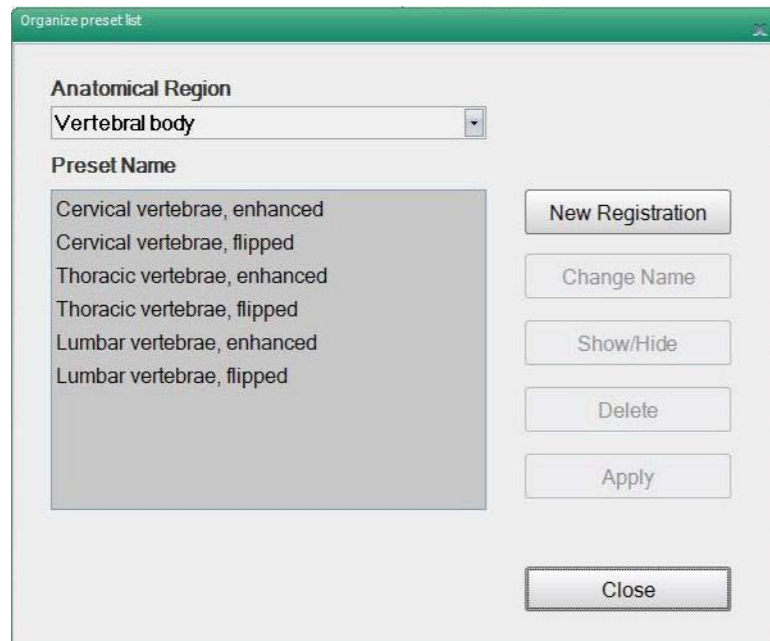
III. Select "Other" tab and click [Preset all].

Confirm that the following preset menus are displayed on the menu.

Animal012.AI

IV. Start up the "User Utility" and click [Preset Setting].

Once the "Preset setting" window opens, confirm that the following preset menus are displayed.

Animal013.AI

3. **If the verification procedure 2 above does not display the preset menus, make copies of the following files generated on the desktop and send them to FujiFilm Quality Assurance Div. Medical Systems R&D Center via TIMS.**

   • result.log

   • T_MPRESET_after.csv

   • T_MPRESET_before.csv

   • T_MPRESET_REGION_before.csv

   • T_MPRESET_REGION_after.csv

   Delete the files if the menus are displayed appropriately.

4. **Delete "UpdateveterinaryPresetDB.bat" file and "UpdateveterinaryPresetDB.sql" file on the desktop.**

5. Procedure of Modifying the Study Menu for Veterinary Clinics

■ Overview

● Background and purpose

At veterinary clinics, inappropriate study menus are selected in some study menus, and modification to turn them to the appropriate study menus is required.

This section describes the procedure of modifying the study menus mentioned above.

● Applicable Conditions

• CR-IR 355V CL devices upgraded from Server V2.0(B), V2.1(B) or V2.2(B)

• CR-IR 391V CL devices upgraded from Server V2.2(B)

■ Procedure

Modify study menus with the following procedure.

1. Start up CR-IR 355V CL (CR-IR 391V CL) and click [⓪].

→ The "Select Server Application Behavior" window opens.

2. Select "User Utility".

→ A confirmation window opens.

3. Click [OK].

→ The "User authentication" window opens.

4. Input the username and password, and click [OK].

→ The "Main Menu" window opens.

5. Click "Menu Setting" and confirm the exposure menus included in the following study menus.

Table1   Confirmation items of study menus

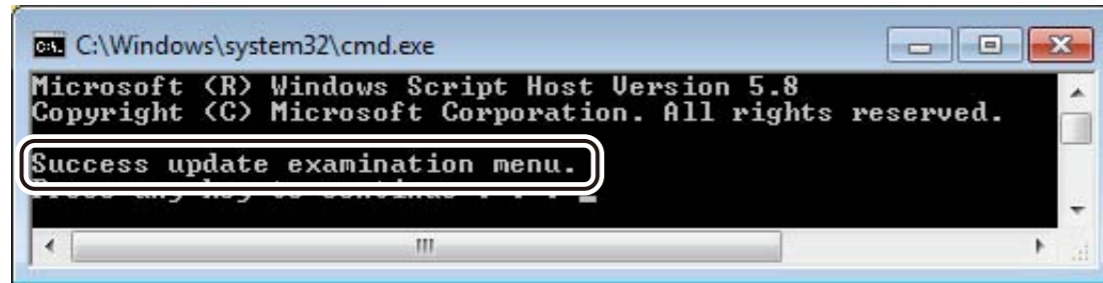| No.	Study menu	Exposure menu	
		Normal value	Anomalous value
1	STOMACH:C 2R CANINE -8KG	STOMACH:C CANINE -8KG STOMACH:C LAT CANINE -8KG	LO.LEG,FELINE -8KG STOMACH:C LAT CANINE -8KG
2	PREGNANT,2R FELINE -8KG	PREGNANT,FELINE -8KG PREGNANT,LAT FELINE -8KG	ABDOMEN,GEN.VD,FELINE -8KG PREGNANT,LAT FELINE -8KG

◆ NOTES ◆

• *If an anomalous value has been included even just one, perform the procedure from step 6.*

• *If all values in both study menus are normal, the following steps are not required.*

6. If an anomalous value was included at step 5, terminate the User Utility. Also terminate the Server application starts after that.

7. Insert "CR-IR 355CL/355V (CR-IR 391V) CL Application Software-B V2.3" into the DVD drive.

➥ REFERENCES

• *If Install Launcher starts up, select "Open CD Root Folder" from "Tool Application Setup".*

• *In any other cases, double-click the DVD drive.*

8. **Open "Tool -> UpdateExaminationMenu", and execute "UpdateExaminationMenu.bat".**

→ The command prompt starts up.

9. **Confirm that "Success update examination menu." is displayed.**

```
C:\Windows\system32\cmd.exe

Microsoft (R) Windows Script Host Version 5.8
Copyright (C) Microsoft Corporation. All rights reserved.

Success update examination menu.
```

Ani-018.ai

10. **Perform steps 1 to 5 to confirm that values have been changed to the normal values in Table 1.**

6. String/Message Replace Tool

■ Overview

This section describes the usage, confirmation procedure and precautions at installation of the service tool "String/message replace tool".

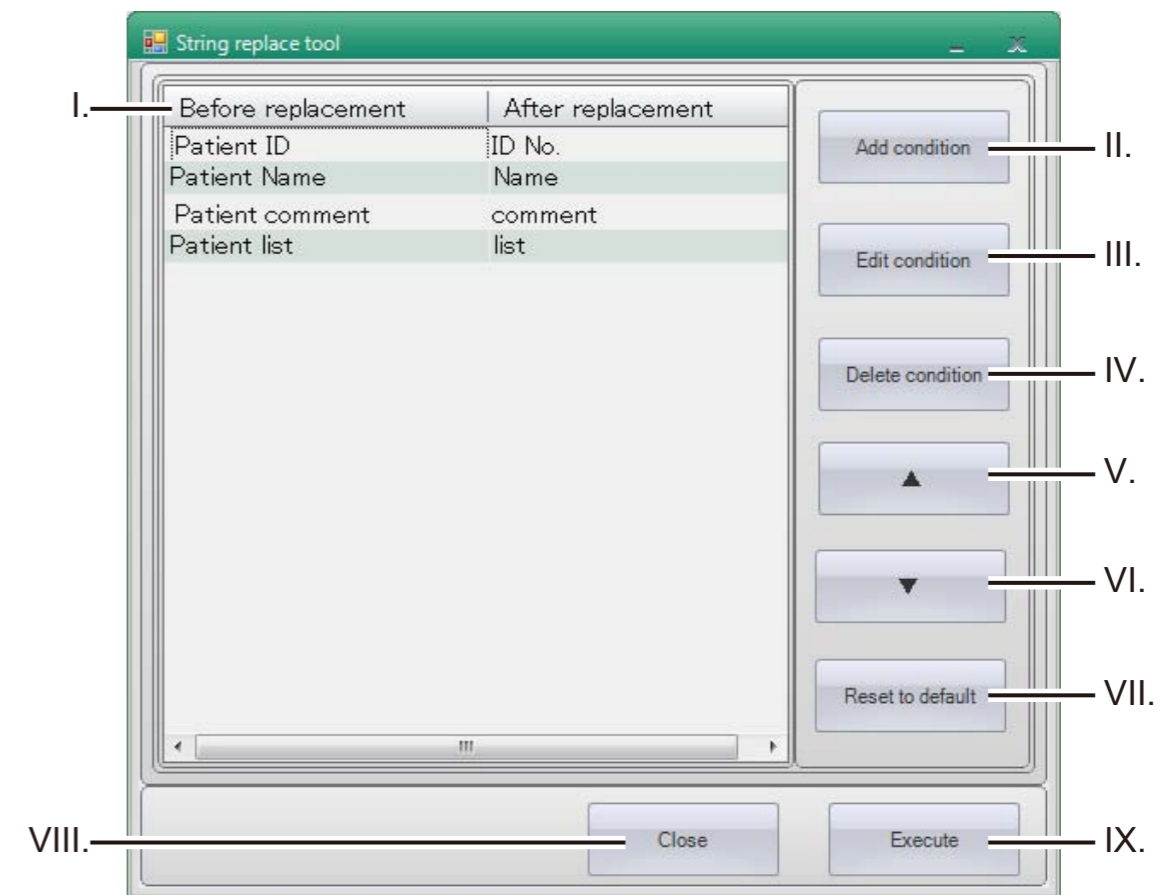### ● Applicable Conditions

V2.3(B) Server/Client

■ Usage

● Startup method

1. **Double-click the tool in the following folder in both the Server PC and Client PC.**

C:\Program Files\FujiFilm\Hobbit\System\ResouceEditingTool.exe

→ The String replace tool starts up and the Main window opens.

■ Explanation of the Main window

Ani-019.ai

I. Conversion string list

Strings which are targets of replacement and strings after replacement are displayed.

II. Add condition button

If you click this button, the "Add Dialog" will opens.
When you input the target strings into the "Before replacement/After replacement" text boxes and then click [Add], the replacement strings will be registered.
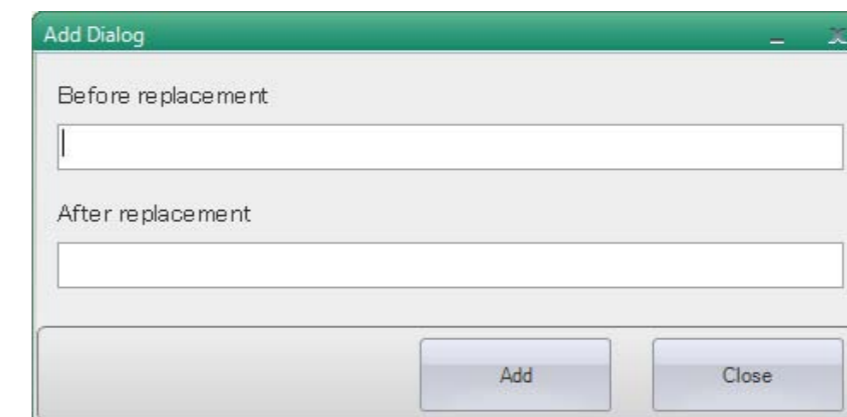
Ani-020.ai

III. Edit condition button

If you click this button when the item which is a target of editing has been select from the replacement string list, the editing dialog will open.
To change the replacement strings, edit the strings in the "Before replacement/After replacement" text boxes and click [Edit].

Ani-021.ai
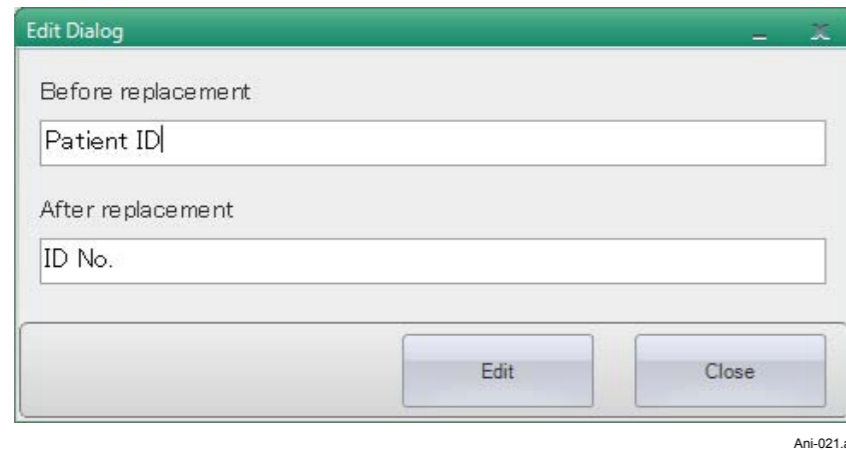
IV. Delete condition button

If you click this button when the item which is a target of editing has been select from the replacement string list, the item will be deleted.

V. Up button

Raises the string replacement execution order of the selected item.

VI. Down button

Lowers the string conversion execution order of the selected item.

➥ **REFERENCE**

The replacement will be executed in order from the top of the replacement string list.
Example: Patient ID → ID number
*   Patient → Animal*
If the replacement is performed with strings registered to the list in the order above, the string "Registering the Patient ID" will first be replaced with "Registering the ID number". It will not be the replacement target of "Animal" which is a replacement of the subsequent "Patient".

VII. Reset to default button

Reset all of the strings and messages to factory default status.

VIII. Execute replacement button

Executes the replacements registered on the list.

IX. Terminate button

Terminates the tool.

● **Usage and confirmation procedure**

1. **Start up the tool at the Server PC or Client PC on which you wish to execute replacement.**

2. **Register replacement strings with "II. Add condition button/III. Edit condition button".**

3. **Perform a replacement with "VIII. Execute replacement button".**

4. **Start up the main application, and confirm that the strings replaced at step 2 have changed.**

If the strings have not been replaced, start up the tool, reset the tool to the factory default status with "VII. Reset to default button" and perform the replacement again from step 2.

■ **Supplement**

The replacement string list is save when the tool terminates. When restarting the system, items are registered on the list in the same state as that of the last termination.

This save information is also passed to the new version when upgrading the main application.

The information save file of the replacement string list is on the following address.

C:\Program Files\FujiFilm\Hobbit\ReplaceWordList.xml

■ **Precautions/Restrictions**

String will be reset to the factory default status of the new version due to the version upgrade of the main application. Thus, execute the tool again after version upgrade at the institutions where procedures in this section were performed.