SICATSUITE

SICAT SUITE *VERSION 1.2*

Instructions for use | English

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1 USED ICONS AND HIGHLIGHTING

ICONS

These instructions for use uses the following icons:

- The hint icon indicates additional information, for example alternative approaches.

- The SICAT Suite icon indicates information that applies only to the standalone version of SICAT Suite.

- The icon for integrated versions indicates information that applies to all integrated versions of SICAT Suite.

- The Sirona SIDEXIS XG icon indicates information that applies only to SICAT Suite as a SIDEXIS plug-in.

If you use an integrated version of SICAT Suite, please read both the information for all integrated versions and the information for your specific version.

HIGHLIGHTING

Texts and names of elements that SICAT Suite shows are highlighted by **bold** fonts. This includes the following objects in the user interface:

- Names of areas
- Names of buttons
- Names of icons
- Texts from hints and on-screen messages

INSTRUCTIONS

Instructions are written as ordered lists:

☑ Prerequisites are marked with this symbol.

1. Steps are marked with numbers.
   ► Interim results are marked with this symbol and are indented.
2. Interim results are followed by additional steps.

► Final results are marked with this symbol.

- However, if an instruction consists of only one step, the step is marked with this symbol.

2 SAFETY INFORMATION

It is mandatory that you read the following security relevant chapters:

- *Identification of danger levels [▶ Page 6]*
- *Qualification of operating personnel [▶ Page 7]*
- *Safety instructions [▶ Page 100]*

2.1 IDENTIFICATION OF DANGER LEVELS

These instructions for use uses the following warning signs to avoid injuries of operating personnel or patients and material damage:

⚠ **CAUTION**	**Indicates a hazardous situation that, if not avoided, *could* result in minor injury.**

NOTICE	**Indicates information considered important but not hazard-related.**

2.2 QUALIFICATION OF OPERATING PERSONNEL

⚠ CAUTION

Use of software by unqualified personnel could result in incorrect diagnosis and treatment.

- The use of the software is restricted to qualified professionals.

Only skilled or properly trained personnel are allowed to use the software.

If you are undergoing education or training, or you are using the software as part of your general training, you may only operate the software under the constant supervision of a qualified person.

You have to fulfill the following prerequisites to be allowed to use the software:

- You have read the instructions for use.
- You are familiar with the fundamental structure and the functions of the software.
- You are able to recognize irregularities in the functioning of the software and implement the appropriate measures where necessary.

CAUTION! Federal Law (USA) restricts use of this device to or on the order of a physician, dentist or licensed practitioner.

3 SYSTEM REQUIREMENTS

CAUTION

If your system does not meet the system requirements, the software might not start or work as intended.

- Prior to installing the software, check your system for compliance with the minimum software and hardware requirements.

MINIMUM

Processor	Dual Core 2 GHz
RAM	4 GB
Video card	Dedicated* DirectX 10 or higher 512 MB video memory Current driver
Screen	At least 1280x1024 pixel**
Free space on HDD	5 GB
Storage media	Access to external storage media that contains the installation files.
Input devices	Keyboard, mouse
Network	Ethernet, 100 Mbit/s
Operating system	Windows 7 (32 bit or 64 bit) Windows 8 (64 bit) Windows 8.1 (64 bit)
Web browser	Microsoft Internet Explorer 9 or higher Mozilla Firefox 10 or higher Google Chrome 10 or higher Apple Safari 5 or higher JavaScript has to be activated.
PDF viewer	For example, Adobe Reader 8 or higher
SIDEXIS XG	Version 2.5.6
SIDEXIS 4	Version 4.1.2

RECOMMENDED

Processor	Quad Core 2.3 GHz
RAM	8 GB
Video card	1024 MB video memory
Screen	At least 1920x1080 pixel**
Network	Ethernet, 1000 Mbit/s
Operating system	64 bit
SIDEXIS XG	Version 2.6

SOFTWARE PREREQUISITES

SICAT Suite requires the following software components and installs them together with SICAT Suite if they are not already available:

- Microsoft .NET Framework 4.5
- Microsoft DirectX Redistributable June 2010
- CodeMeter license management software 5.0
- SQL Server Compact Edition 4.0
- SICAT WebConnector

*SICAT Suite only supports dedicated video cards (NVIDIA GeForce 670 and ATI Radeon HD 4xxx or newer). Integrated video cards are not supported.

**The resolution must not be higher than 2560x1600 pixel. The screen has to be set up to show the SMPTE test picture correctly. For information about this, see *Monitor calibration with the SMPTE test pattern [▸ Page 86]*.

4 OVERVIEW OF SICAT SUITE

SICAT Suite consists of the following parts:

- SICAT Function - for the intended use of SICAT Function, see the SICAT Function instructions for use.
- SICAT Air - for the intended use of SICAT Air, see the SICAT Air instructions for use.

LANGUAGES

SICAT Suite supports the following languages in the user interface:

- English
- German
- French
- Japanese

LICENSING

Licensing in SICAT Suite works as follows:

- SICAT assigns acquired licenses to your customer activation key and saves these on the SICAT license server in your license pool.
- An active internet connection to the SICAT license server is required for license activation.
- You can perform the activation online directly on the PC that runs SICAT Suite. Alternatively, the activation can be performed manually with the help of license files.
- You can give back licenses for each SICAT application independently of each other to your license pool.
- Returned licenses are available for activation on the same computer or other computers.

FULL FEATURED MODE AND VIEWER MODE

SICAT applications can start in two different modes:

- If you have not activated any application license, SICAT Suite starts in viewer mode.
- If you have activated at least one application license, SICAT Suite starts as full version.
- Applications with an activated license start as full version.
- Applications without an activated license start in viewer mode.
- You do not need to decide for a mode when installing SICAT Suite.

5 DIFFERENCES BETWEEN STANDALONE VERSION AND INTEGRATED VERSION

SICAT Suite can start in two different versions:

- The standalone version of SICAT Suite contains a central management of volume data and patients.
- The integrated version of SICAT Suite uses patient data and volume data from the main software.

At the moment, you can integrate SICAT Suite in the following software:

- SIDEXIS XG
- SIDEXIS 4

The integration in SIDEXIS 4 takes place using the same interface as in SIDEXIS XG. Therefore, these instructions for use apply the term SIDEXIS XG in both cases for describing the integration.

The following items apply for all versions of SICAT Suite:

- You do not need to decide for a version when installing SICAT Suite.
- The standalone version and the integrated version of SICAT Suite use the same licenses.

SICAT Suits treats settings in the standalone version and the integrated versions differently:

- In the standalone version, SICAT Suite manages patient records and global settings.
- In the integrated versions, SICAT Suite only shows the values of most settings, because it takes them from the main software.

For information about this, see *Changing or viewing general settings [▶ Page 84]*.

PATIENT RECORDS IN THE STANDALONE VERSION

The concept of patient records in the standalone version of SICAT Suite can be compared to classic patient records:

- Patient records are stored in patient record depots that can be compared to file cabinets.
- Activating a patient record can be compared to fetching a patient record from a file cabinet and placing it on your table.
- Opening patient data from a patient record in SICAT applications can be compared to fetching sheets of paper from a patient record.
- Adding 3D scans to a patient record can be compared to adding 2D X-ray images to a classical patient record.
- A 3D scan can be the basis of multiple planning projects. Planning projects are also part of a patient record.
- A 3D scan together with the associated planning projects is called study.

6 DIFFERENCES BETWEEN FULL FEATURED MODE AND VIEWER MODE

If SICAT Suite runs as full version, you can make changes to data and save data in applications with activated licenses. For SICAT Suite to run as full version, the following conditions must be fulfilled:

- In the standalone version, at least one application license must be activated and a patient record depot must be active.
- For the integrated versions, at least one application license must be activated.

For information about this, see *Viewing data [▶ Page 93]*.

ALL VERSIONS

The following table shows the differences between full version and viewer mode of SICAT Suite:

FEATURE	AVAILABLE IN FULL FEATURED MODE?	AVAILABLE IN VIEWER MODE?
Data export	Yes	No
Support area	Yes	Yes
Settings area	Yes	Yes

STANDALONE VERSION ONLY

The following table shows additional differences between full featured mode and viewer mode in the standalone version of SICAT Suite:

FEATURE	AVAILABLE IN FULL FEATURED MODE?	AVAILABLE IN VIEWER MODE?
Managing patient record depots	Yes	No
Managing patient records	Yes	No
Data import	Yes	No

In the standalone version, the license status also influences the available options in the **SICAT Suite Home** window. For information about this, see *Overview of the "SICAT Suite Home" window [▶ Page 30]*.

APPLICATIONS

SICAT applications without an activated application license start in viewer mode. In viewer mode, you can view data but neither make changes to data nor save data.

Under certain circumstances, despite of an active application license, datasets are only available in viewer mode. The cause can be, for example an active ordering process. You can find information regarding this in the instructions for use of the respective SICAT application.

SICAT applications also start in viewer mode if SICAT Suite runs as an integrated version and the current dataset is locked in the main software. This can be the case, for example in multi-user environments.

The following table shows the differences between full version and viewer mode for the applications of SICAT Suite:

FEATURE	AVAILABLE IN FULL FEATURED MODE?	AVAILABLE IN VIEWER MODE?
Save changes	Yes	No
Open data in viewer mode	No	Yes

7 GETTING STARTED

The management of patient data differs between the standalone version and the integrated versions of SICAT Suite. Therefore, getting started differs between the standalone version and the integrated versions of SICAT Suite:

- If you use the standalone version of SICAT Suite, proceed with *Getting started with the standalone version [▸ Page 15]*.

- If you use SICAT Suite as a SIDEXIS XG plug-in, proceed with *Getting started with SICAT Suite as a SIDEXIS XG plug-in [▸ Page 17]*.

7.1 GETTING STARTED WITH THE STANDALONE VERSION

CAUTION

Security leaks in your information system environment could result in unauthorized access to your patient data and put the privacy or integrity of your patient data at risk.

1. Make sure policies are established within your organization to prevent security threats to your information system environment.
2. Install and run an up-to-date virus scanner.
3. Make sure the pattern files of the virus scanner are updated on a regular basis.

CAUTION

Unauthorized access to your workstation could result in risks to the privacy and integrity of your patient data.

- Limit the access to your workstation to authorized individuals only.

CAUTION

Cyber security problems could result in access to your patient data and impose risks to the privacy and integrity of your patient data.

- If you suspect cyber security related problems with your system, contact SICAT GmbH & Co. KG immediately.

Before you start working with SICAT Suite, it is mandatory that you have read these instructions for use and especially all the security instructions. Keep these instructions for use readily available for future reference.

To install SICAT Suite, see *Installing SICAT Suite [▸ Page 19]*.

To start SICAT Suite, see *Starting the standalone version of SICAT Suite [▸ Page 25]*.

The standard workflow of the standalone version of SICAT Suite is as follows:

1. If you did not acquire a license for a SICAT application, open a single 3D scan in viewer mode. For information about this, see *Viewing data in the standalone version [▸ Page 94]*.
2. If you acquired a license for a SICAT application, activate the license in SICAT Suite to enable full featured mode. For information about this, see *Licenses [▸ Page 34]*.
3. To store your data, create and activate at least one patient record depot. For information about this, see *Patient record depots [▸ Page 41]*.
4. To have data to work with, import data to the patient record depot. For information about this, see *Data import [▸ Page 48]*.
5. To search for patient records and manage imported data, follow the orders under *Patient records [▸ Page 58]*.
6. To work with data from patient records, open a patient record in a SICAT application. You can find information regarding this in the instructions for use of the respective SICAT application.
7. Export data for example to get a second opinion from a colleague. For information about this, see *Data export [▸ Page 72]*.

8. Order therapeutic appliances from SICAT to get a realization of your planning. For information about this, see *Executing an order [▸ Page 76]*.

9. To finish or pause your work, save it by closing the active patient record. For information about this, see *Closing active patient records and saving contained planning projects [▸ Page 68]*.

Furthermore, you can perform the following tasks anytime:

- Change settings in the **Settings** area. For information about this, see *Settings [▸ Page 83]*.
- Find assistance in the **Support** area. For information about this, see *Support [▸ Page 89]*.

If the computer that runs SICAT Suite is located in a network environment and the network configuration allows so, you can store patient record depots and the contained patient records in a network file system. Typically, the network file system has to support the NFS protocol or the SMB protocol. For information about this, see *Patient record depots [▸ Page 41]*.

7.2 GETTING STARTED WITH SICAT SUITE AS A SIDEXIS XG PLUG-IN

CAUTION

Security leaks in your information system environment could result in unauthorized access to your patient data and put the privacy or integrity of your patient data at risk.

1. Make sure policies are established within your organization to prevent security threats to your information system environment.
2. Install and run an up-to-date virus scanner.
3. Make sure the pattern files of the virus scanner are updated on a regular basis.

CAUTION

Unauthorized access to your workstation could result in risks to the privacy and integrity of your patient data.

- Limit the access to your workstation to authorized individuals only.

CAUTION

Cyber security problems could result in access to your patient data and impose risks to the privacy and integrity of your patient data.

- If you suspect cyber security related problems with your system, contact SICAT GmbH & Co. KG immediately.

CAUTION

Saving SICAT application data in an unreliable or incompatible network file system could result in data loss.

- Together with your network administrator, assure that SICAT application data can be safely stored in the desired network file system.

CAUTION

Using SICAT Suite and the contained SICAT applications together with other devices within a computer network or storage network could result in previously unknown risks for patients, users and other persons.

- Make sure policies are established within your organization to determine, analyze, assess and control risks that are related to your network.

CAUTION

Changes to your network environment could result in new risks. Examples are changes to your network configuration, connection of additional devices or components to your network, disconnection of devices or components from the network and update or upgrade of network devices or components.

- Perform a new network risk analysis after any network changes.

Before you start working with SICAT Suite, it is mandatory that you have read these instructions for use and especially all the security instructions. Keep these instructions for use readily available for future reference.

To install SICAT Suite, see *Installing SICAT Suite [▸ Page 19]*.

The standard workflow of SICAT Suite as a SIDEXIS XG plug-in is as follows:

1. To work with data from SIDEXIS XG, open an exam in SIDEXIS XG that contains a 3D scan and start SICAT Suite. For information about this, see *Starting SICAT Suite as a SIDEXIS XG plug-in [▸ Page 26]*.

2. If you did not acquire a license for a SICAT application, open a single 3D scan in viewer mode. For information about this, see *Viewing data in SICAT Suite as a SIDEXIS XG plug-in [▸ Page 96]*.

3. If you acquired a license for a SICAT application, activate the license in SICAT Suite to enable full featured mode. For information about this, see *Licenses [▸ Page 34]*.

4. Export your data, for example to get a second opinion from a colleague. For information about this, see *Data export [▸ Page 72]*.

5. Order therapeutic appliances from SICAT to get a realization of your planning. For information about this, see *Executing an order [▸ Page 76]*.

6. To finish or pause your work, save it by closing SICAT Suite. For information about this, see *Closing SICAT Suite [▸ Page 97]*.

Furthermore, you can perform the following tasks anytime:

- View settings in the **Settings** area. For information about this, see *Changing or viewing general settings [▸ Page 84]*.
- Find assistance in the **Support** area. For information about this, see *Support [▸ Page 89]*.

If the computer that runs SIDEXIS XG and SICAT Suite is located in a network environment and SIDEXIS XG as well as the network configuration allow so, SIDEXIS XG could be part of a multi-workstation installation. This may lead to the situation that you can only open datasets in viewer mode that are opened on other workstations. For further information about multi-workstation support in SIDEXIS XG, see the instructions for use of SIDEXIS XG.

8 INSTALLING SICAT SUITE

CAUTION

Modifications to the software could result in a software that does not start or work as intended.

1. Do not perform any modification to the installation of the software.
2. Do not delete or modify any of the components contained within the installation directory of the software.

CAUTION

Damaged installation media could result in an installation failure.

- Handle the installation media with care and store it in an appropriate way.

CAUTION

If your system does not meet the system requirements, the software might not start or work as intended.

- Prior to installing the software, check your system for compliance with the minimum software and hardware requirements.

CAUTION

Insufficient privileges could result in a failure of the software installation or update.

- Make sure you have sufficient privileges on your system if you install or update the software.

You can install a newer version of SICAT Suite on a computer where SICAT Suite is already installed. If you start the SICAT Suite installer, it uninstalls the old version initially. All data and settings are preserved. At the first start of the new version, you have to allow SICAT Suite to update existing patient record depots in order to use them. Afterwards, you can no longer use the updated patient record depots with older versions of SICAT Suite.

The **AutoPlay** function of windows may be disabled on your computer. In this case, you can open the optical media in Windows File Explorer and open the **SICATSuiteSetup.exe** file manually, where the file name contains the version of SICAT Suite.

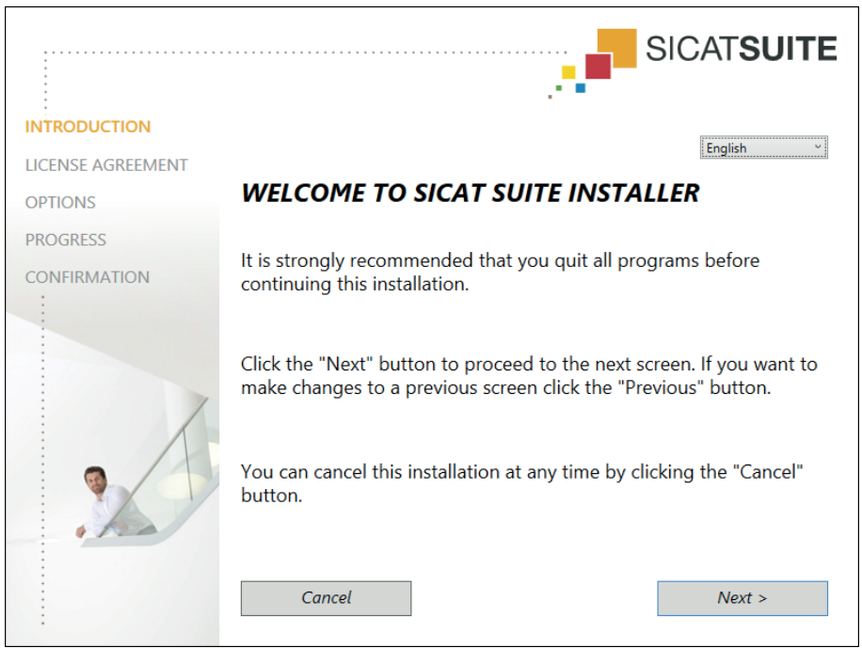
To install SICAT Suite, proceed as follows:

☑ Your computer meets the system requirements of SICAT Suite. For information about this, see *System requirements [▸ Page 8]*.

1. Insert the SICAT Suite installer medium into the optical drive of your computer.
   ► The **AutoPlay** window opens.

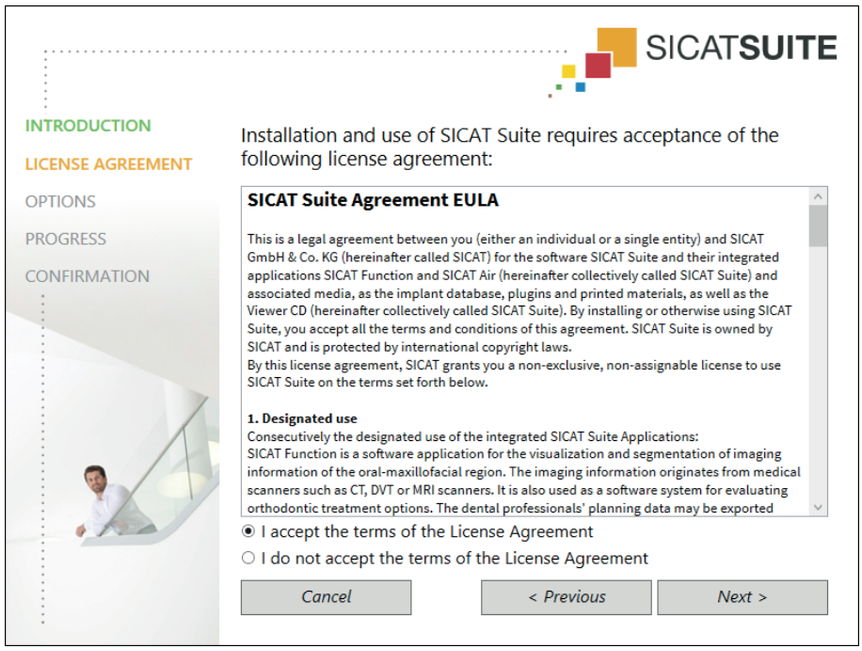
2. In the **AutoPlay** window, choose the **Run SICATSuiteSetup.exe** option, where the file name contains the version of SICAT Suite.
   ► The software prerequisites are installed if they are not already available on your computer.

► The SICAT Suite installer starts and the **INTRODUCTION** window opens:



3. In the upper right corner of the **INTRODUCTION** window, choose the desired language for the SICAT Suite installer and click **Next** .

   ► The **LICENSE AGREEMENT** window opens:

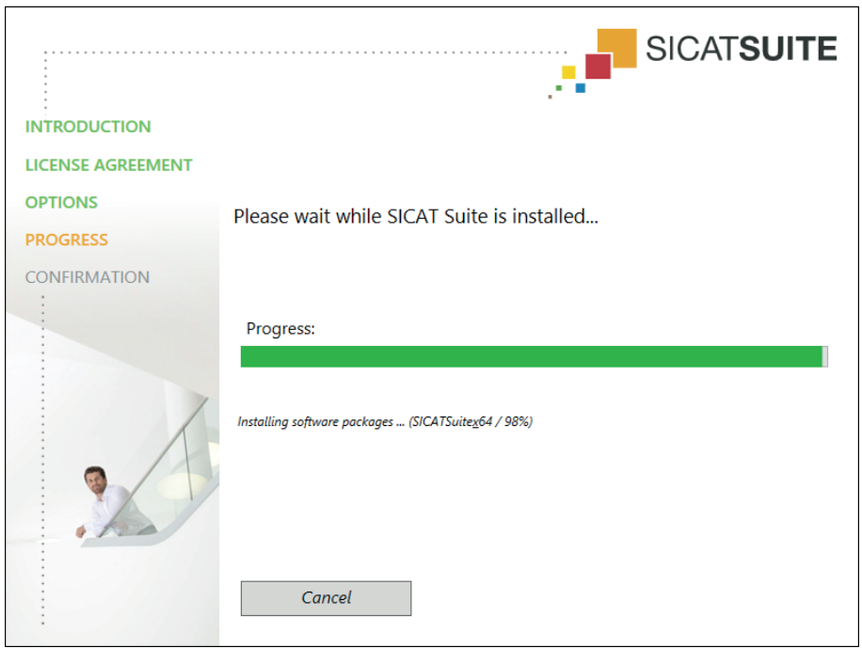


4. Completely read the EULA, select the **I accept the terms of the License Agreement** check box and click **Next** .

► The **OPTIONS** window opens:

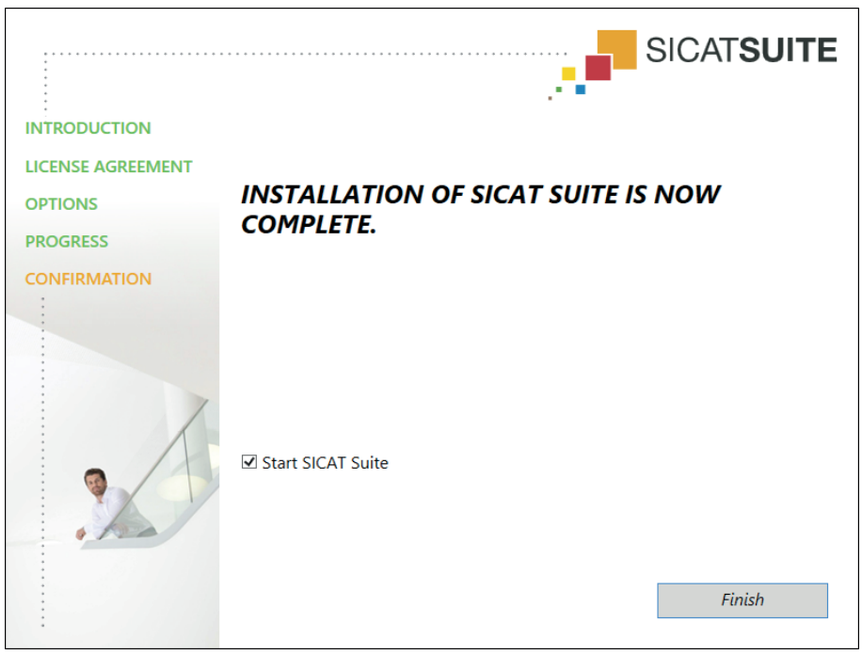
5. To change the hard drive folder where the SICAT Suite installer installs SICAT Suite, click the **Browse** button.
   ► The **Select folder** window opens.
6. Browse to the desired folder and click **OK**.
   ► The SICAT Suite installer inserts the path to the selected folder into the **Where would you like to install the software** field.
7. If SIDEXIS XG is installed on your computer, select or deselect the **I want to use SICAT Suite with SIDEXIS** check box.
   ► If the **I want to use SICAT Suite with SIDEXIS** check box is selected, the **Create shortcut to SICAT Suite on my desktop** is not available.
8. If available, select or deselect the **Create shortcut to SICAT Suite on my desktop** check box.
9. If desired, select or deselect the **Create start menu group for SICAT Suite** check box.
10. Click the **Install** button.

► The **PROGRESS** window opens:



► SICAT Suite and the remaining software prerequisites are installed.

► After the installation is complete, the **CONFIRMATION** window opens:



11. If you install the standalone version of SICAT Suite, you can start SICAT Suite automatically after the end of the installation. In order to do so, select the **Start SICAT Suite** check box.

12. Click the **Finish** button.

► The SICAT Suite installer closes.

If you have installed the standalone version of SICAT Suite and SICAT Suite does not start automatically, proceed with *Starting the standalone version of SICAT Suite [▸ Page 25]*.

You can also integrate SICAT Suite into the main software manually. You can always start the standalone version of SICAT Suite.

If you have installed SICAT Suite as a SIDEXIS XG plug-in, proceed with *Starting SICAT Suite as a SIDEXIS XG plug-in [▸ Page 26]*.

9 STARTING SICAT SUITE

Starting differs between the standalone version and the integrated versions of SICAT Suite:

- If you use the standalone version of SICAT Suite, proceed with *Starting the standalone version of SICAT Suite [▶ Page 25]*.

- If you use SICAT Suite as a SIDEXIS XG plug-in, proceed with *Starting SICAT Suite as a SIDEXIS XG plug-in [▶ Page 26]*.

After SICAT Suite has started, you can also find the instructions for use in the online help. For information about this, see *Opening the online help [▶ Page 33]*.

9.1 STARTING THE STANDALONE VERSION OF SICAT SUITE

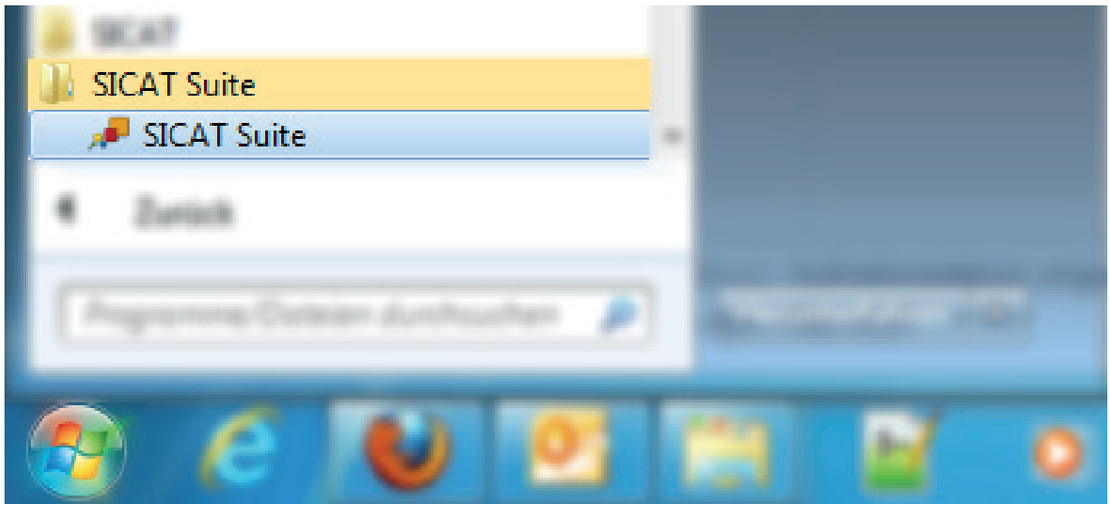
To start SICAT Suite, proceed as follows:

☑ SICAT Suite has already been installed successfully. For information about this, see *Installing SICAT Suite [▸ Page 19]*.

- If the desktop shortcut has been created during the installation, click the **SICAT Suite** icon on the Windows desktop.

► SICAT Suite starts and the **SICAT Suite Home** window opens. For information about this, see *Overview of the "SICAT Suite Home" window [▸ Page 30]*.

You can also start SICAT Suite by pressing the **Windows** key, entering **SICAT Suite** and clicking the **SICAT Suite** icon.



9.2 STARTING SICAT SUITE AS A SIDEXIS XG PLUG-IN

CAUTION

Incorrect assignment of patient name or scan could result in confusion of patient scans.

- Verify that the 3D scan that is to be imported or already loaded in a SICAT Suite application is associated with the correct name of the patient and the correct scan information.

CAUTION

Inappropriate X-ray devices could result in incorrect diagnosis and treatment.

- Only use 3D data from X-ray devices cleared as medical devices.

CAUTION

Inappropriate 3D data could result in incorrect diagnosis and treatment.

- Always verify the quality, integrity, and correct orientation of the displayed 3D data.

The SICAT Suite installer allows registering SICAT Suite as a SIDEXIS XG plug-in automatically. If you need to register SICAT Suite as a SIDEXIS XG plug-in manually, please see the SIDEXIS XG instructions for use.

To start SICAT Suite from SIDEXIS XG, proceed as follows:

☑ SICAT Suite has already been installed successfully. For information about this, see *Installing SICAT Suite [▸ Page 19]*.

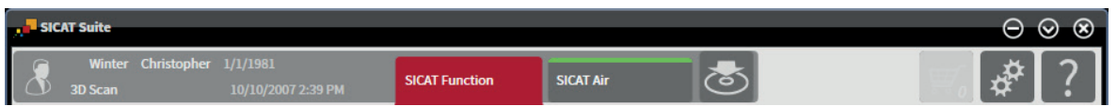
☑ The SICAT Suite plug-in has already been registered with SIDEXIS XG.

☑ The SICAT Suite button has already been placed in SIDEXIS XG.

☑ A dataset containing 3D data is already opened in SIDEXIS XG.

- Click the **SICAT Suite** button.

► The dataset is opened in a SICAT application:



In the following two cases, the dataset will be opened in viewer mode only: No license is activated or another SIDEXIS XG workstation is using the dataset. For information about this, see *Viewing data in SICAT Suite as a SIDEXIS XG plug-in [▸ Page 96]*.

10 OVERVIEW OF THE USER INTERFACE

The user interface differs between the standalone version and the integrated versions of SICAT Suite:

- If you use the standalone version of SICAT Suite, proceed with *User interface of the standalone version [▶ Page 28]*.

- If you use SICAT Suite as a SIDEXIS XG plug-in, proceed with *User interface of SICAT Suite as a SIDEXIS XG plug-in [▶ Page 32]*.

10.1 USER INTERFACE OF THE STANDALONE VERSION

The user interface of the standalone version of SICAT Suite consists of the following parts:

1 **Navigation bar**

2 **Application area**

- The navigation bar at the top of SICAT Suite shows tabs for switching between different windows and applications of SICAT Suite.
- The **Application area** that is located in the remaining part of SICAT Suite shows the different windows and functions of the active application.

The **Navigation bar** consists of three different areas. The area on the left-hand side and the area on the right-hand side are always visible. SICAT Suite only shows the middle area if a patient record is currently active.

The area on the left-hand side contains the following tabs:

- **SICAT Suite Home** - for information about this, see *Overview of the "SICAT Suite Home" window [▶ Page 30]*.
- **Patient records** - for information about this, see *Patient records [▶ Page 58]*.
- **Import new data** - for information about this, see *Data import [▶ Page 48]*.
- **Export data** - for information about this, see *Data export [▶ Page 72]*.

The area in the middle contains the following tabs:

- **Active patient record** - for information about this, see *Working with active patient records [▶ Page 63]*.
- **Applications** - read the instructions for use of the respective SICAT Suite application.

The area on the right-hand side contains the following tabs:

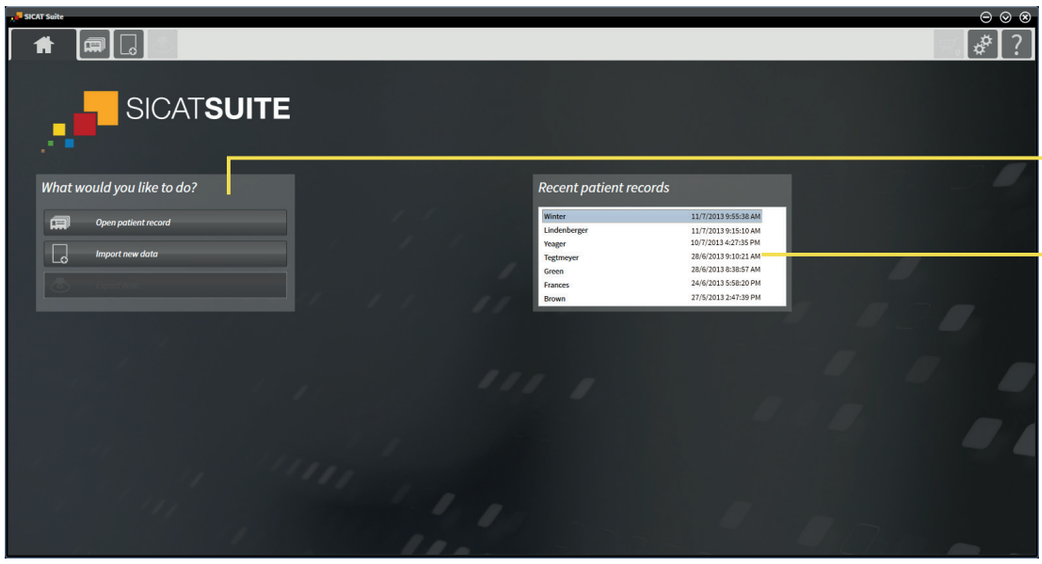
- **Shopping cart** - for information about this, see *Ordering process [▸ Page 76]*.

- **Settings** - for information about this, see *Settings [▸ Page 83]*.

- **Support** - for information about this, see *Support [▸ Page 89]*.

10.2 OVERVIEW OF THE "SICAT SUITE HOME" WINDOW

The **SICAT Suite Home** window welcomes you when starting the standalone version of SICAT Suite:



1 **What would you like to do** area

2 **Recent patient records** area

You can always go back to this window by clicking the **SICAT Suite Home** icon. The content of the **SICAT Suite Home** window depends on the following parameters:

- A license is activated or not.
- A patient record depot is set up and activated or not.

If no license is activated, SICAT Suite runs in viewer mode. In this mode, you cannot connect to patient record depots, create patient record depots and the functions for importing, editing and saving patient data are not available. Therefore, only the **View new data** button and the **Activate license** button are available in the **SICAT Suite Home** window.

If a license is activated but no patient record depot is set up and activated in SICAT Suite, you can create patient record depots but the functions for importing, editing and saving patient data are not available. Therefore, only the **View new data** button and the **Set up patient record depot** button are available in the **SICAT Suite Home** window.

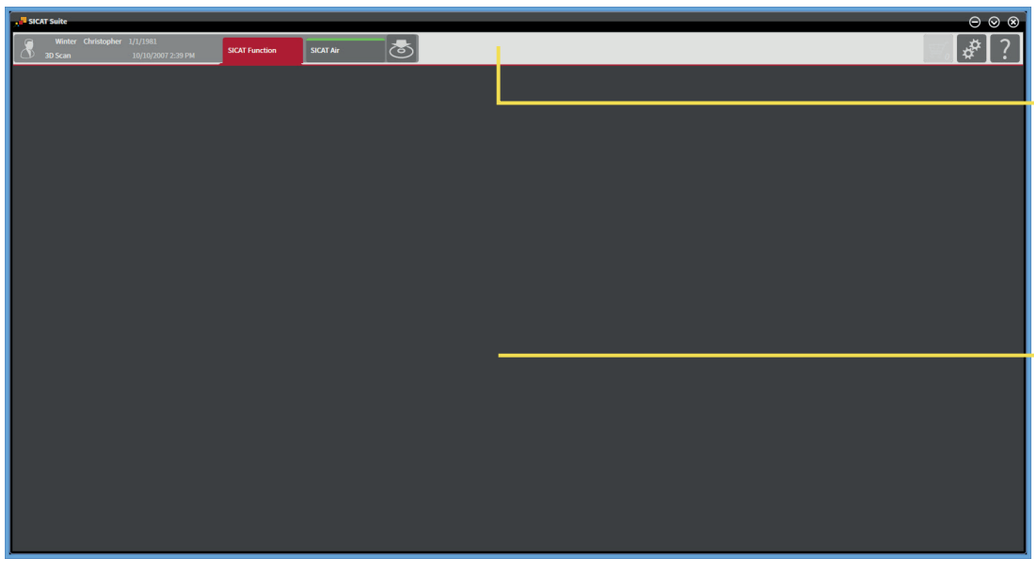
If a license is activated and a patient record depot is set up and activated in SICAT Suite, the following buttons are available in the **SICAT Suite Home** window in the **What would you like to do** area:

- **Open patient record** - for information about this, see *Patient records [▸ Page 58]*.
- **Import new data** - for information about this, see *Data import [▸ Page 48]*.
- **Export data** - for information about this, see *Data export [▸ Page 72]*.
- Additionally, the **Recent patient records** area shows a list of recently opened patient records. You can double-click on those patient records to open them.

If the **Display patient information anonymously** setting is active, the **SICAT Suite Home** window hides the **Recent patient records** area.

10.3 USER INTERFACE OF SICAT SUITE AS A SIDEXIS XG PLUG-IN

The user interface of SICAT Suite as a SIDEXIS XG plug-in consists of the following parts:



1 **Navigation bar**

2 **Application area**

- The navigation bar at the top of SICAT Suite shows tabs for switching between different windows and applications of SICAT Suite.
- The **Application area** that is located in the remaining part of SICAT Suite shows the different windows and applications.

The **Navigation bar** consists of two different areas. The area on the left-hand side and the area on the right-hand side are always visible.

The area on the left-hand side contains the following tabs:

- **Active patient record** - attributes of the active patient record depending on the settings in SIDEXIS XG.
- **Applications** - read the instructions for use of the respective SICAT Suite application.
- **Export data** - for information about this, see *Data export [▶ Page 72]*.

The area on the right-hand side contains the following tabs:

- **Shopping cart** - for information about this, see *Ordering process [▶ Page 76]*.
- **Settings** - for information about this, see *Settings [▶ Page 83]*.
- **Support** - for information about this, see *Support [▶ Page 89]*.

11 OPENING THE ONLINE HELP

The instructions for use of SICAT Suite and SICAT applications are integrated in the **Support** window in form of an online help.

You can open the **Support** window by clicking the **Support** icon in the **Navigation bar** or by pressing the F1 key.

The SICAT Suite instructions for use are divided into multiple sections:

- General functions like data management that all SICAT applications use are described in the SICAT Suite instructions for use.
- Functions that are available in SICAT applications are described in the additional instructions for use of each SICAT application.

12 LICENSES

Please contact your local sales representative for more information on how to purchase SICAT licenses. For evaluation purposes, SICAT provides promotional licenses that enable full featured mode of one or more SICAT applications for a limited period of time.

You can activate licenses of SICAT applications and single functions as follows:

- After purchasing one or more licenses, SICAT provides you or your organization with a personal activation key. You can use the activation key to activate licenses on different computers on which SICAT Suite is installed.
- Your license pool on the SICAT license server contains the purchased number of licenses for each SICAT application and function.
- If you activate a license on a computer, the license is tied to the current computer. The license is taken from your license pool and is no longer available for activation on another computer.
- An activated license enables the full version of one or more applications or single functions. Applications without licenses run in viewer mode.

Licenses on the computer that runs SICAT Suite are listed in the **License Overview** window. This can be licenses for applications or single functions. For information about this, see *Opening the "License Overview" window [▸ Page 35]*.

You can activate licenses in two ways:

- If the computer that runs SICAT Suite has an active Internet connection, license activation can be performed automatically. For information about this, see *Activating licenses with an active internet connection [▸ Page 36]*.
- If you desire or if the computer that runs SICAT Suite does not have an active Internet connection, license activation can be performed manually by using license request files. You have to upload license request files to the SICAT website. In return, you will receive a license activation file that you have to activate in SICAT Suite. For information about this, see *Activating licenses manually or without an active internet connection [▸ Page 38]*.

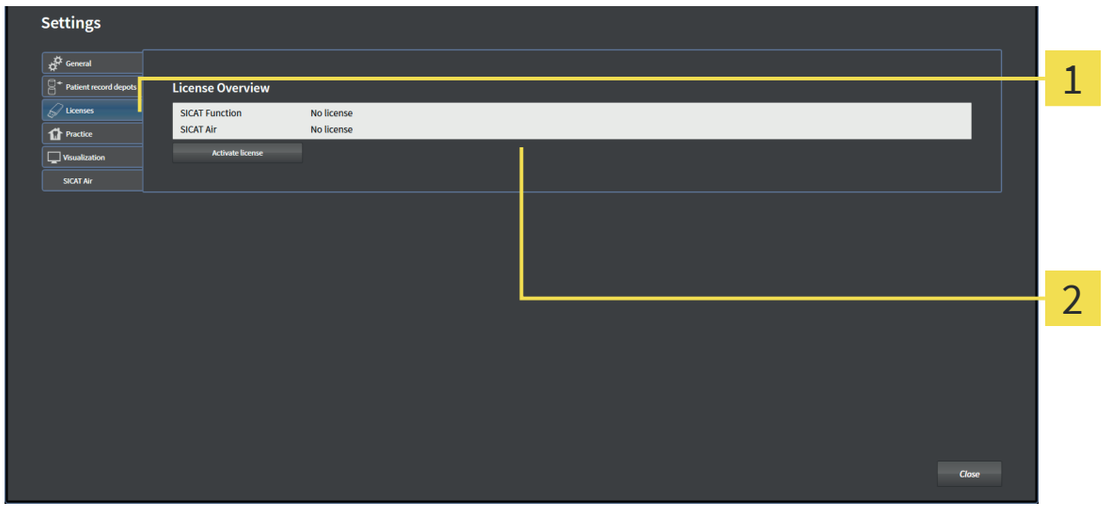
You can deactivate licenses and return them to the license pool independently for every application or function. The computer that runs SICAT Suite requires an active Internet connection. After you have returned a license, you can enter the same or another license key. Returned licenses are available for activation on the same computer or other computers. For information about this, see *Deactivating licenses [▸ Page 40]*.

12.1 OPENING THE "LICENSE OVERVIEW" WINDOW

To open the **License Overview** window, proceed as follows:

1. In the **Navigation bar**, click the **Settings** icon.
   ► The **Settings** window opens.

2. Click the **Licenses** tab.
   ► The **License Overview** window opens:



1 **Licenses** tab

2 **License Overview** window

Proceed with one of the following actions:

- *Activating licenses with an active internet connection [▸ Page 36]*
- *Activating licenses manually or without an active internet connection [▸ Page 38]*
- *Deactivating licenses [▸ Page 40]*

12.2 ACTIVATING LICENSES WITH AN ACTIVE INTERNET CONNECTION

NOTICE	In the standalone version of SICAT Suite, you have to close the active patient record before you make changes to licenses.

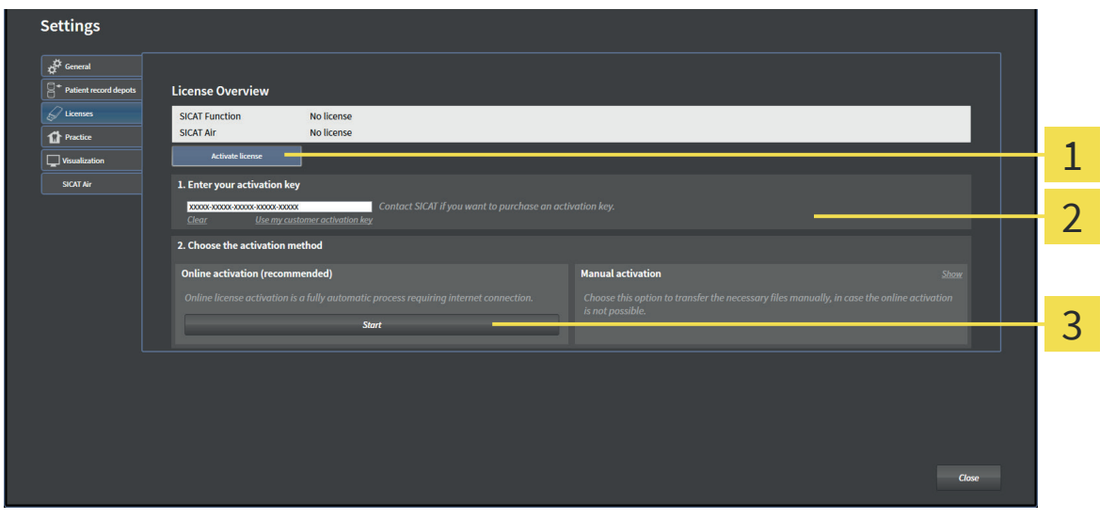
To start the activation process, proceed as follows:

☑ At least one SICAT application or a single function is missing an activated license.

☑ The computer that runs SICAT Suite has an active internet connection.

☑ The **License Overview** window is already opened. For information about this, see *Opening the "License Overview" window* [▶ *Page 35*].

1. In the **License Overview** window, click the **Activate license** button.
   ▶ The **License Overview** area expands:



1 **Activate license** button

2 **Enter your activation key** area

3 **Start** button

2. In the **Enter your activation key** field, enter your customer activation key or a promotional license activation key.

3. Click the **Start** button.

4. If a **Windows Firewall** window opens, allow SICAT Suite to access the Internet.

▶ Acquired licenses for installed applications or single functions are taken from your license pool and activated in SICAT Suite on the current computer.

▶ The message window opens and shows the following message: **License was successfully activated**.

NOTICE

Restart required

The integrated versions of SICAT Suite require a restart to be carried out in order for license changes to take effect.

To activate a deactivated SICAT Suite again, you can use your customer activation key again by clicking the **Use my customer activation key** button. In the **Enter your activation key** area, you can click the **Clear** button to clear the current license key.

12.3 ACTIVATING LICENSES MANUALLY OR WITHOUT AN ACTIVE INTERNET CONNECTION

NOTICE	In the standalone version of SICAT Suite, you have to close the active patient record before you make changes to licenses.

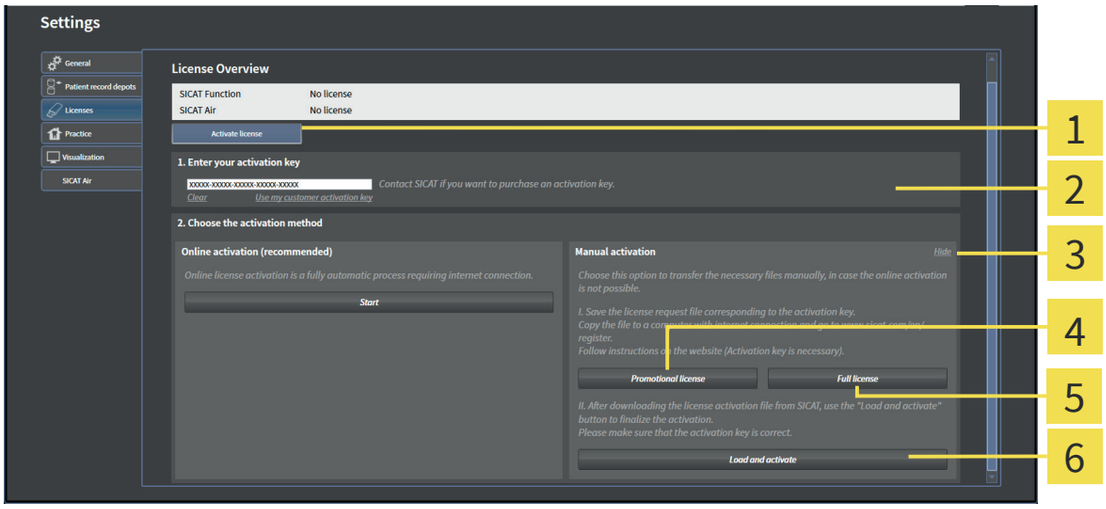
To activate licenses manually or without an active internet connection, proceed as follows:

☑ At least one SICAT application or a single function is missing an activated license.

☑ The **License Overview** window is already opened. For information about this, see *Opening the "License Overview" window [▸ Page 35]*.

1. In the **License Overview** window, click the **Activate license** button.
   ▸ The **License Overview** area expands.

2. In the **Manual activation** area, click the **Show** button.
   ▸ The **Manual activation** area expands:



1	**Activate license** button	4	**Promotional license** button
2	**Enter your activation key** area	5	**Full license** button
3	**Show** button	6	**Load and activate** button

3. If you want to activate a full license, click the **Full license** button.

4. If you want to activate a promotional license, click the **Promotional license** button.
   ▸ A Windows Explorer window opens.

5. Select the desired folder for the license request file and click **OK**.
   ▸ A license request file with the filename extension **WibuCmRaC** is generated and saved in the selected folder.

6. Copy the license request file to a computer with an active internet connection, for example with the help of a USB flash drive.

7. On the computer with an active Internet connection, open a web browser and open the http://www.sicat.com/register web page.

8. Follow the instructions on the activation web page.
   - ► Acquired licenses for installed applications or single functions are taken from your license pool.
   - ► The SICAT license server generates a license activation file with the filename extension **WibuCm-RaU** that you have to download to your computer.

9. Copy the downloaded license activation file back to the computer that runs SICAT Suite.

10. Check the **Enter your activation key** field for the correct key.

11. In the **License Overview** window, click the **Load and activate** button.
    - ► A Windows Explorer window opens.

12. Browse to the license activation file, select it and click **OK**.

- ► The license in the license activation file is activated in SICAT Suite on the current computer.
- ► The message window opens and shows the following message: **License was successfully activated**.

NOTICE

Restart required

The integrated versions of SICAT Suite require a restart to be carried out in order for license changes to take effect.

12.4 DEACTIVATING LICENSES

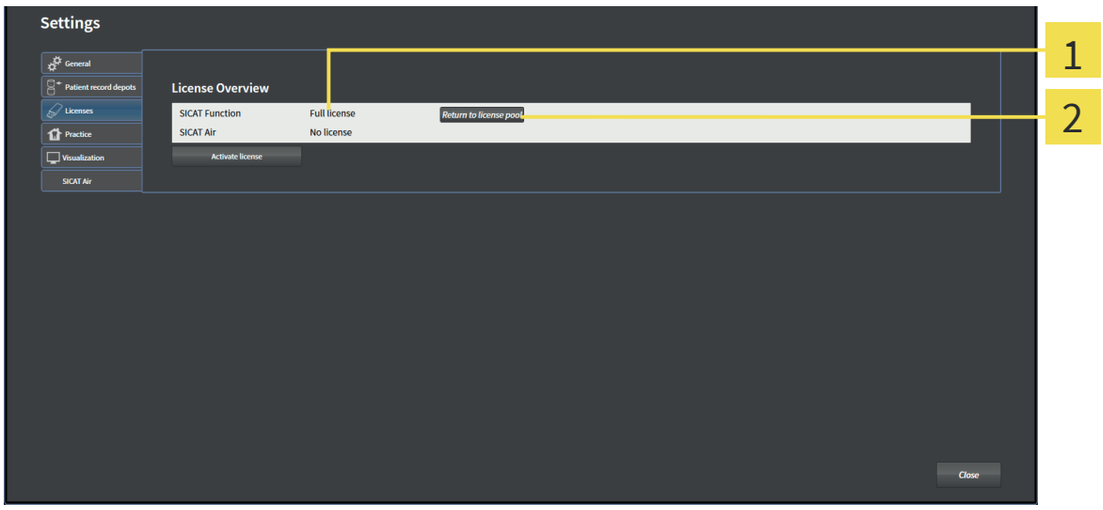
NOTICE In the standalone version of SICAT Suite, you have to close the active patient record before you make changes to licenses.

To deactivate a license and return it to the license pool, proceed as follows:

☑ You have already activated a full version license of a SICAT application.

☑ The computer that runs SICAT Suite has an active internet connection.

☑ The **License Overview** window is already opened. For information about this, see *Opening the "License Overview" window [▶ Page 35]*.



1 License status of the SICAT applications and single functions

2 **Return to license pool** button

- In the **License Overview** window, in the row of the desired SICAT application or a single function, click the **Return to license pool** button.

▶ The selected license is returned to your license pool and available for activation once again.

▶ The message window opens and shows the following message: **License was successfully returned to the license pool**.

▶ Without a license, an application is only available in viewer mode. If the licenses of all SICAT applications have been returned to your license pool, SICAT Suite completely switches to viewer mode.

NOTICE

Restart required

The integrated versions of SICAT Suite require a restart to be carried out in order for license changes to take effect.

13 PATIENT RECORD DEPOTS

Patient record depots are only available in the standalone version of SICAT Suite.

CAUTION

The absence of a backup mechanism for the patient record depots could result in patient data being irreversibly lost.

- Make sure that a regular data backup is created of all patient record depots.

CAUTION

Saving SICAT application data in an unreliable or incompatible network file system could result in data loss.

- Together with your network administrator, assure that SICAT application data can be safely stored in the desired network file system.

CAUTION

Using SICAT Suite and the contained SICAT applications together with other devices within a computer network or storage network could result in previously unknown risks for patients, users and other persons.

- Make sure policies are established within your organization to determine, analyze, assess and control risks that are related to your network.

CAUTION

Changes to your network environment could result in new risks. Examples are changes to your network configuration, connection of additional devices or components to your network, disconnection of devices or components from the network and update or upgrade of network devices or components.

- Perform a new network risk analysis after any network changes.

Management of patient record depots is only available if an application license is activated in SICAT Suite.

SICAT Suite manages patient records as follows:

- Each 3D scan of a patient and each corresponding planning project are organized in patient records.
- Patient records are saved in patient record depots.
- Patient record depots are saved in a folder on a local file system or network file system.

SICAT Suite requires at least one patient record depot to run in full featured mode. Multiple patient record depots can be managed. Only one patient record depot can be active at a time. Patient record depots on both a local file system and a network file system can only be accessed by one SICAT Suite at a time. You can only edit and save patient records from the active patient record depot.

Patient record depots on network file systems require a network connection with a certain minimum bandwidth. For information about this, see *System requirements [▶ Page 8]*.

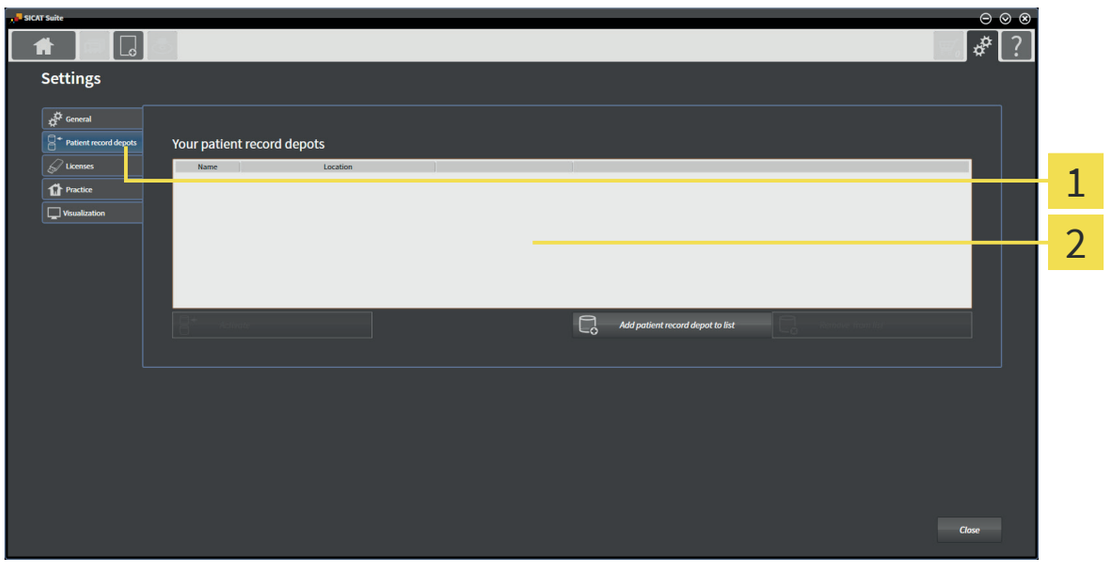
The following actions are available for managing patient record depots:

- *Opening the "Patient record depots" window [▸ Page 43]*
- *Adding patient record depots [▸ Page 44]*
- *Activating another patient record depot [▸ Page 46]*
- *Removing patient record depots [▸ Page 47]*

13.1 OPENING THE "PATIENT RECORD DEPOTS" WINDOW

To open the **Patient record depots** window, proceed as follows:

1. In the **Navigation bar**, click the **Settings** icon.
   ▶ The **Settings** window opens.
2. Click the **Patient record depots** tab.
   ▶ The **Patient record depots** window opens:



1 **Patient record depots** tab

2 **Patient record depots** window

Proceed with one of the following actions:

- *Adding patient record depots [▶ Page 44]*
- *Activating another patient record depot [▶ Page 46]*
- *Removing patient record depots [▶ Page 47]*

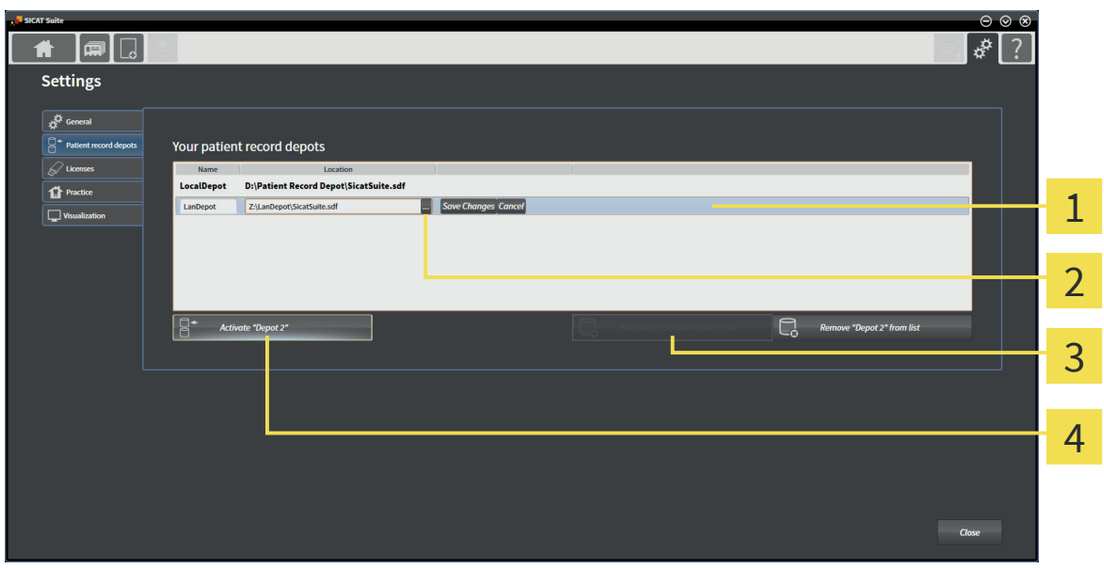
13.2 ADDING PATIENT RECORD DEPOTS

SICAT Suite saves patient records depots on file systems. It can only save one patient record depot per folder. Therefore, a folder where you want to save a new patient record depot has to be empty.

SICAT Suite adds an existing patient record depot if the following conditions apply: The selected folder already contains a patient record depot but is not contained in the patient record depot list.

To create a new patient record depot or add an existing patient record depot, proceed as follows:

☑ The **Patient record depots** window is already opened. For information about this, see *Opening the "Patient record depots" window [▶ Page 43]*.



1 Row of the new patient record depot

2 **Browse** button

3 **Add patient record depot to list** button

4 Button for activating the selected patient record depot

1. In the **Patient record depots** window, click the **Add patient record depot to list** button.
   ▶ SICAT Suite adds a line for the new patient record depot to the **Your patient record depots** list.
2. In the row of the new patient record depot, click the **Browse** button.
   ▶ The **Select file or directory** window opens.
3. In the **Select file or directory** window, select the desired folder and click **OK**.
   ▶ The **Select file or directory** window closes and SICAT Suite adds the path to the desired folder to the row of the new patient record depot.
4. In the row of the new patient record depot, click in the **Name** field and type a recognizable name for the new patient record depot.
5. While the new patient record depot is still selected click **Save Changes**.
   ▶ If a patient record is currently active, a confirmation message opens.

6. In the confirmation message, click the **Switch patient record depot (active patient record will be closed)** button.

► SICAT Suite activates the new patient record depot. The font style of the corresponding row changes to bold.

► SICAT Suite deactivates the patient record depot that has been active before. The font style of the corresponding row changes to normal.

You can click **Cancel** to cancel adding a patient record depot.

You can recognize a created patient record depot by the SDF file in the respective folder.

13.3 ACTIVATING ANOTHER PATIENT RECORD DEPOT

Changing the active patient record depot can be useful, for example in the following cases:

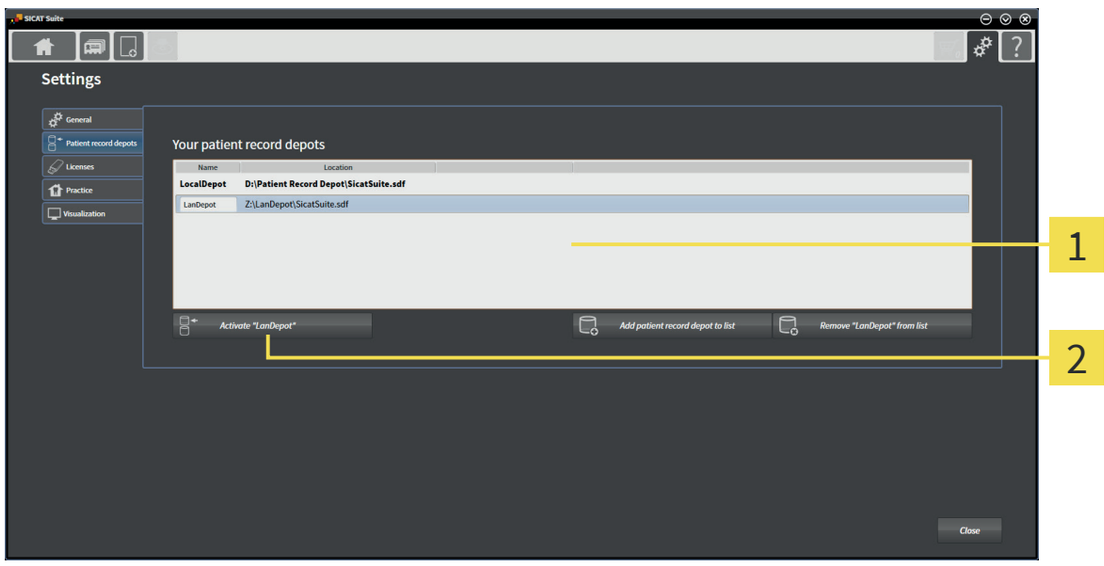
- You want to switch between a patient record depot on a local network file system of your practice and a patient record depot on your laptop.
- You want to publically show patient data that is saved anonymized in another patient record depot, for example for educational purposes.

To activate another patient record depot, proceed as follows:

☑ No patient record is active. If a patient record is active, SICAT Suite closes it automatically.

☑ The patient record depot that you want to activate is not opened in any SICAT Suite on another computer.

☑ The **Patient record depots** window is already opened. For information about this, see *Opening the "Patient record depots" window [▶ Page 43]*.



1 **Your patient record depots** list

2 Button for activating the selected patient record depot

1. In the **Patient record depots** window, in the **Your patient record depots** list, click the desired patient record depot.

2. Click on the button to activate the desired patient record depot.
   ▶ If a patient record is currently active, a confirmation message opens.

3. In the confirmation message, click the **Switch patient record depot (active patient record will be closed)** button.

▶ SICAT Suite activates the selected patient record depot.

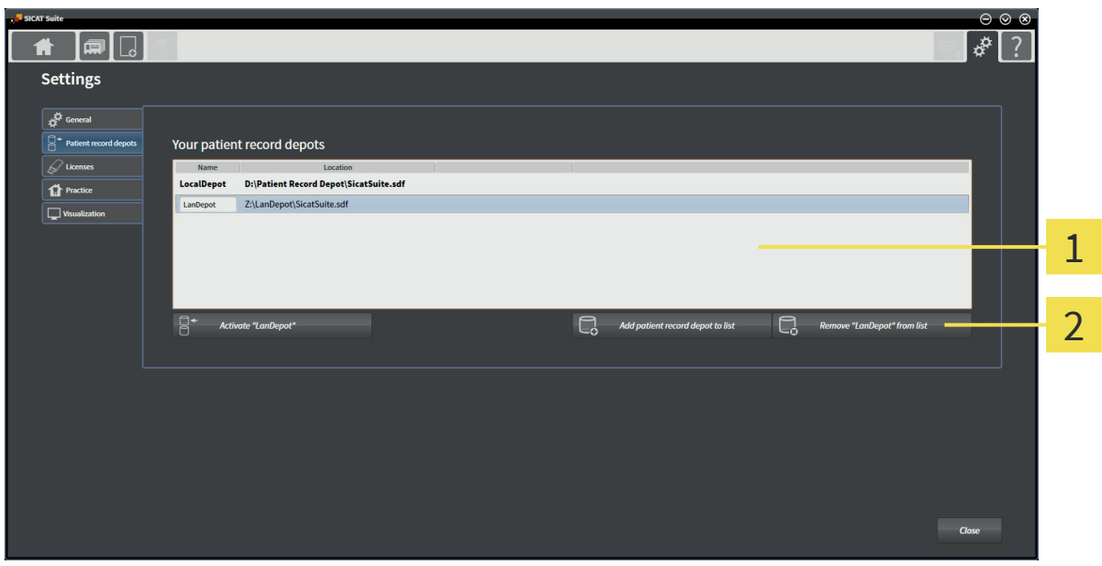
13.4 REMOVING PATIENT RECORD DEPOTS

SICAT Suite only removes the patient record depot from the **Your patient record depots** list. It does not remove patient record depots from the file system. You can add patient record depots again that have been removed from the **Your patient record depots** list. For information about this, see *Adding patient record depots* *[▸ Page 44]*.

To remove a patient record depot from the **Your patient record depots** list, proceed as follows:

☑ No patient record is active.

☑ The **Patient record depots** window is already opened. For information about this, see *Opening the "Patient record depots" window* *[▸ Page 43]*.



1 **Your patient record depots** list

2 Button for removing the selected patient record depot

1. In the **Patient record depots** window, in the **Your patient record depots** list, click the desired patient record depot.
2. Click on the button to remove the desired patient record depot.

► SICAT Suite removes the selected patient record depot from the **Your patient record depots** list.

14 DATA IMPORT

Data import is only available in the standalone version of SICAT Suite.

CAUTION

Inappropriate 3D data could result in incorrect diagnosis and treatment.

- Always verify the quality, integrity, and correct orientation of the displayed 3D data.

CAUTION

Deletion of original data could result in data loss.

- Do not delete original data after import.

Data import is only available if a license is activated and a patient record depot is set up and activated. Without a license or a patient record depot, you can only open data in viewer mode. For information about this, see *Viewing data in the standalone version [▶ Page 94]*.

SICAT Suite can import 3D scans from the following data formats:

- SICAT Suite DICOM data
- 3D-data (DICOM, for information about this, see *Supported DICOM format [▶ Page 50]*)
- SICAT Implant data
- SICAT surgical guide order data
- Galileos Wrap&Go data

Two options determine in which way SICAT Suite imports data into the active patient record depot:

- The import options determine if SICAT Suite imports a 3D scan, does not import it, overwrites an existing 3D scan, or creates a duplicate.
- The assignment options determine the patient record to that SICAT Suite assigns imported 3D scans.

IMPORT OPTIONS FOR 3D DATA

If patient records are contained in the active patient record depot, you can select different import options for 3D scans. The available import options depend on if the ID of the data that is to be imported matches the ID of a patient record in the active patient record depot or not.

You can select an import option for each 3D scan individually:

DATA TYPE	THE ID MATCHES	THE ID DOES NOT MATCH	ALWAYS AVAILABLE
SICAT Suite DICOM data SICAT Implant data SICAT surgical guide order data	**Overwrite existing** – SICAT Suite imports the 3D scan and overwrites the existing dataset with the same ID.	**Import** – SICAT Suite imports the 3D scan as a new dataset.	**Do not import** – SICAT Suite does not import the 3D scan.
Third-party DICOM data Galileos Wrap&Go data	**Import anyway** – SICAT Suite imports the 3D scan as a copy of an existing dataset.	**Import** – SICAT Suite imports the 3D scan as a new dataset.	**Do not import** – SICAT Suite does not import the 3D scan.

ATTRIBUTE COMPARISON FOR PATIENT RECORD ASSIGNMENT

SICAT Suite analyzes several attributes of the data that is to be imported. These attributes are:

- Last name
- First name
- Date of birth
- Patient ID, for example the Social Security number or an internal patient ID of your practice

OPTIONS FOR PATIENT RECORD ASSIGNMENT

The following list shows the import option SICAT Suite suggests in dependence of the attribute comparison:

- All attributes of the data that is to be imported match the attributes of a patient record in the active patient record depot: SICAT Suite suggests the **Assign to existing patient record** option and the appropriate patient record.
- Not all attributes of the data that is to be imported match the attributes of a patient record in the active patient record depot: SICAT Suite suggests the **Create new patient record** option.

In both cases, you can manually assign data to another patient record.

To import data, perform the following actions in the given order:

- *Selecting the data to be imported [▶ Page 51]*
- *Selecting an import option [▶ Page 53]*
- *Assigning data to an existing patient record [▶ Page 55]*

or

- *Creating a new patient record by importing data [▶ Page 54]*

14.1 SUPPORTED DICOM FORMAT

SICAT Suite can import DICOM datasets meeting the following specifications:

- Dataset is provided in DICOM 3.0 standard.
- Dataset contains only parallel slices.
- Dataset is uncompressed, JPEG compressed or JPEG 2000 compressed.
- Dataset corresponds to one of the types from the following list.

The supported dataset types are:

- CT Image
- Digital X-Ray Image
- Digital Intraoral X-Ray Image
- X-Ray 3D Craniofacial Image
- Secondary Capture Image (grayscale) (only for modality CT)
- Multiframe Grayscale Word Secondary Capture Image (only for modality CT)

You can gather further specifications from the DICOM Conformance Statement provided by SICAT on demand. For the required contact data, see *Manufacturer and support [▸ Page 106]*.

14.2 SELECTING THE DATA TO BE IMPORTED

CAUTION

Inappropriate X-ray devices could result in incorrect diagnosis and treatment.

- Only use 3D data from X-ray devices cleared as medical devices.

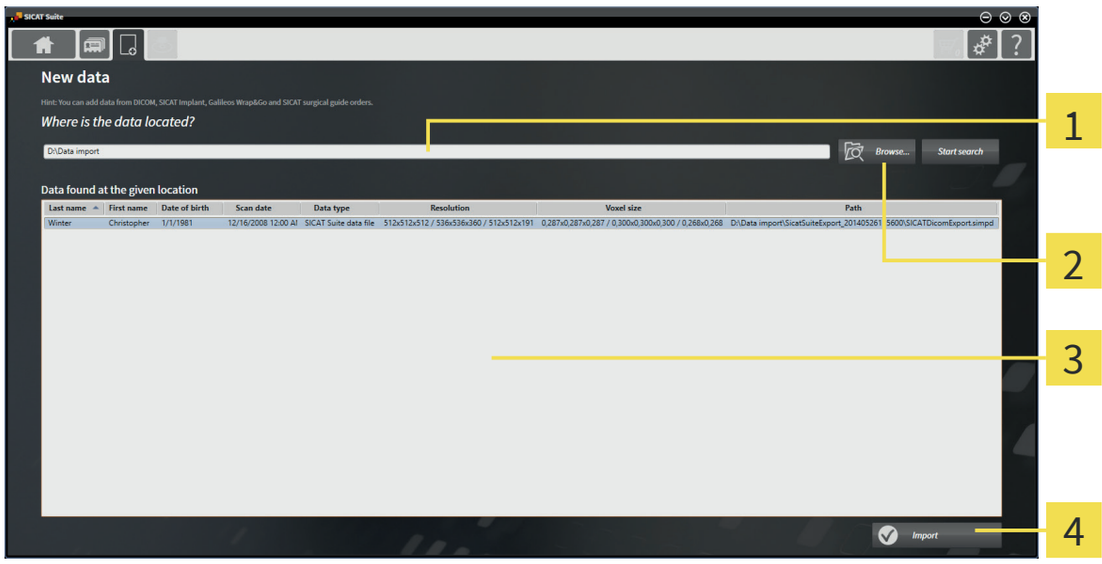
CAUTION

X-ray devices without DICOM conformity could result in incorrect diagnosis and treatment.

- Only use 3D volume data from x-ray devices with DICOM conformity declared.

To import data to the active patient record depot, proceed as follows:

1. In the **Navigation bar**, click the **New data** icon.
   ► The **New data** window opens:



1	**Where is the data located** field	3	**Data found at the given location** list
2	**Browse** button	4	**Import** button

2. Click the **Browse** button.
   ► The **Select file or directory** window opens.
3. In the **Select file or directory** window, select the desired file or folder and click **OK**.

► The **Select file or directory** window closes and SICAT Suite transfers the path to the desired file or folder to the **Where is the data located** field.

► If you have selected a compatible file, SICAT Suite shows the contents of the file in the **Data found at the given location** list.

► If you have selected a folder, SICAT Suite searches the folder and all subfolders. SICAT Suite shows compatible files that are contained in any folder in the **Data found at the given location** list.

You can also use drag & drop to import data into SICAT Suite.

If you use the described procedure, the search starts automatically. You can cancel the search by clicking the **Stop search** button. If you manually type or paste the path to a file or a folder in the **Where is the data located** field, you need to click the **Start search** button. This can also be useful to restart a search in case that the content of the folder has changed or you stopped the last search unintentionally.

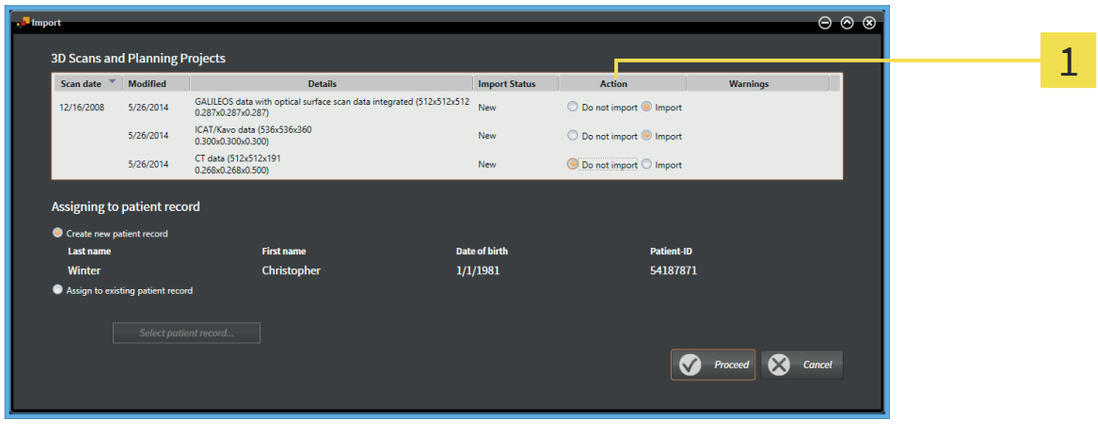
If SICAT Suite does not find specific data despite compatibility, the reason for this may be in too long file paths. Copy the files to a higher level of the file system und restart the search.

Proceed with *Selecting an import option [▸ Page 53]*.

14.3 SELECTING AN IMPORT OPTION

To select an import option for each study, proceed as follows:

1. From the **Data found at the given location** list, select the desired study and click the **Import** button.
   ► The **Import** window opens:



1 **Action** column

2. In the **Import** window, from the **Action** column, select one of the entries **Do not import**, **Import anyway**, **Import**, or **Overwrite existing** for each study. For a description of each option and in what case an option is available, see *Data import [▶ Page 48]*.

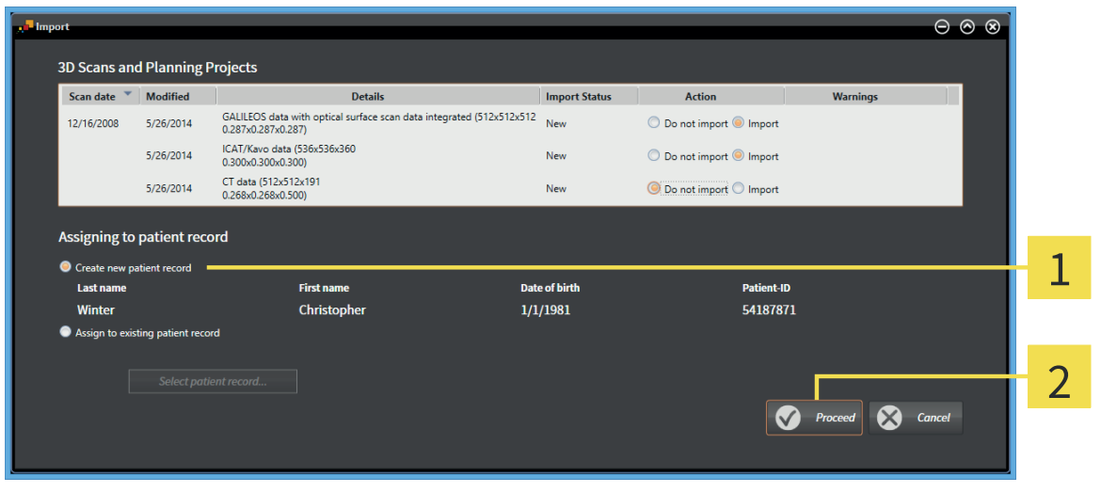
► For all studies it is individually selected if you want to import or not import them.

Proceed with one of the following actions:

- *Assigning data to an existing patient record [▶ Page 55]*
- *Assigning data to a new patient record [▶ Page 54]*

14.4 CREATING A NEW PATIENT RECORD BY IMPORTING DATA

Creating a new patient record by importing data is only available if the following condition is met: no patient record with the attribute combination of the data that is to be imported is contained in the active patient record depot.



1 **Create new patient record** option

2 **Proceed** button

To assign data that you want to import to a new patient record, proceed as follows:

- In the **Assigning to patient record** area, select the **Create new patient record** option and click the **Proceed** button.

▶ SICAT Suite creates a new patient record with the attributes of the selected data.

▶ SICAT Suite imports the selected data and assigns it to the new patient record.

▶ The **Patient record browser** window opens and SICAT Suites highlights the imported patient record in the **Patient records** list. For information about this, see *Patient records [▶ Page 58]*.

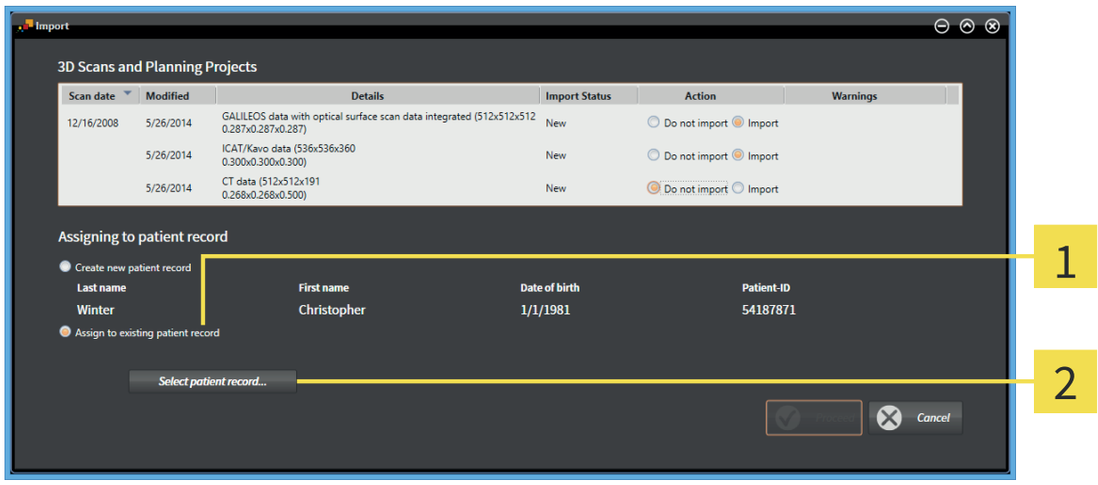
14.5 ASSIGNING DATA TO AN EXISTING PATIENT RECORD

CAUTION

Incorrect assignment of patient name or scan could result in confusion of patient scans.

- Verify that the 3D scan that is to be imported or already loaded in a SICAT Suite application is associated with the correct name of the patient and the correct scan information.

SICAT Suite automatically selects the **Assign to existing patient record** option with the corresponding patient record if the following condition is met: all attributes of the data that is to be imported match the attributes of a patient record in the active patient record depot.



1 **Assign to existing patient record** option

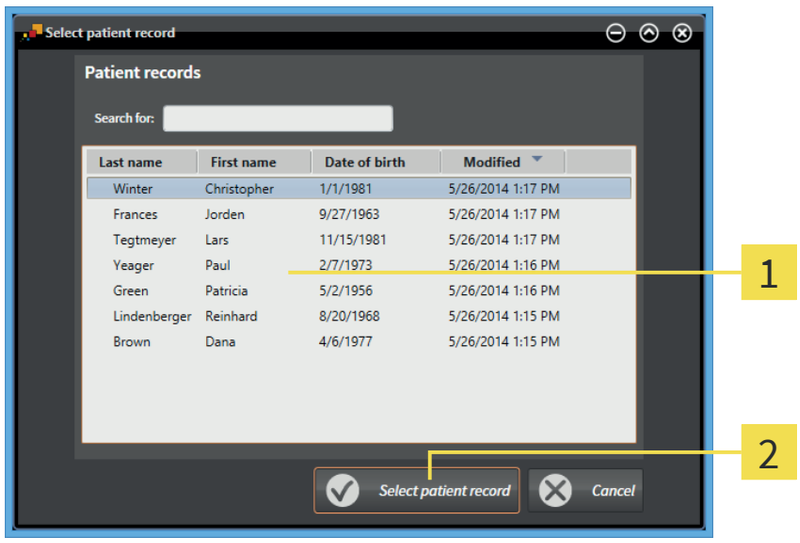
2 **Select patient record** button

To manually assign data that you want to import to a new patient record, proceed as follows:

☑ The active patient record depot contains at least one patient record.

1. In the **Assigning to patient record** area, select the **Assign to existing patient record** option and click the **Select patient record** button.

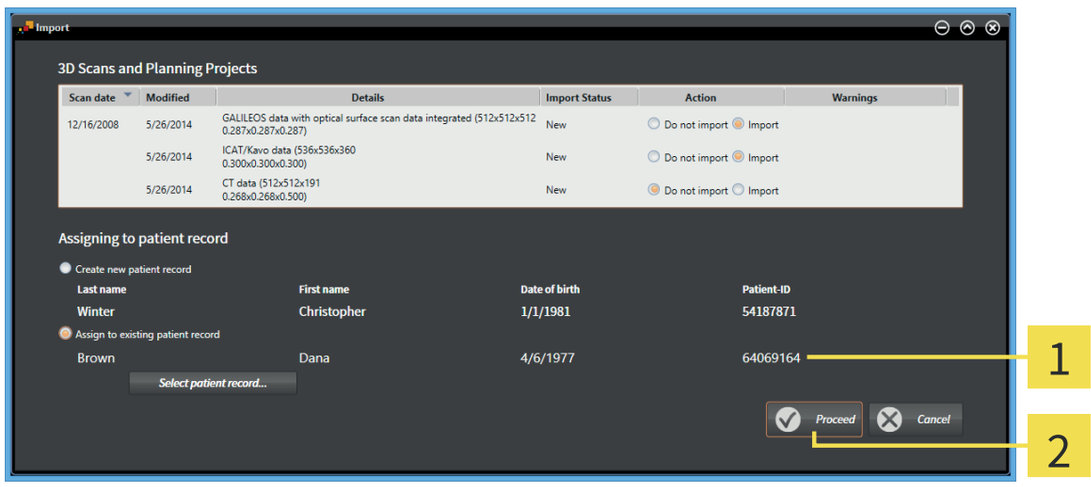
► The **Select patient record** window opens:



1 **Patient records** list

2 **Select patient record** button

2. Click on the desired patient record and click the **Select patient record** button.
   - ► The **Select patient record** window closes.
   - ► The **Import** window shows the attributes of the selected patient record:



1 Attributes of the selected patient record

2 **Proceed** button

3. In the **Import** window, click the **Proceed** button.

4. If the attributes of the data that is to be imported do not match the attributes of the selected patient record, a warning message opens:

5. If you want to import the data anyway, click **OK**.

► SICAT Suite imports the selected data and assigns it to the existing patient record.

► The **Patient record browser** window opens and SICAT Suites highlights the imported patient record in the **Patient records** list. For information about this, see *Patient records [► Page 58]*.

15 PATIENT RECORDS

Managing patient records is only available in the standalone version of SICAT Suite. The integrated versions open single studies from the main software.

Patient records can contain multiple 3D studies. A study consists of a 3D scan and the corresponding planning projects. In addition, patient records can contain documents that have been created during planning.

The following actions are available for managing patient records:

- *Opening the "Patient record browser" window [▸ Page 59]*
- *Searching for and sorting patient records in the patient record depot [▸ Page 60]*
- *Activating patient records [▸ Page 62]*
- *Opening 3D scans or planning projects from the Patient record browser [▸ Page 66]*
- *Working with active patient records [▸ Page 63]*
- *Changing the attributes of patient records [▸ Page 65]*
- *Deleting patient records from patient record depots [▸ Page 69]*
- *Deleting 3D scans or planning projects from patient records [▸ Page 70]*

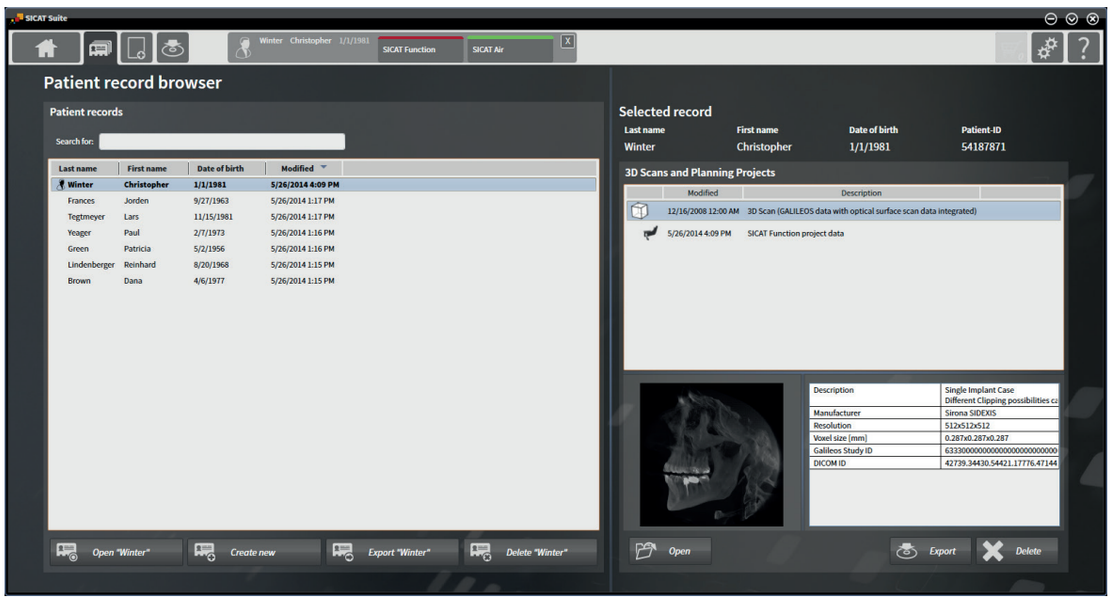
Additionally, actions for importing data to and exporting data from patient records are available:

- *Data import [▸ Page 48]*
- *Data export [▸ Page 72]*

15.1 OPENING THE "PATIENT RECORD BROWSER" WINDOW

To open the **Patient record browser** window, proceed as follows:

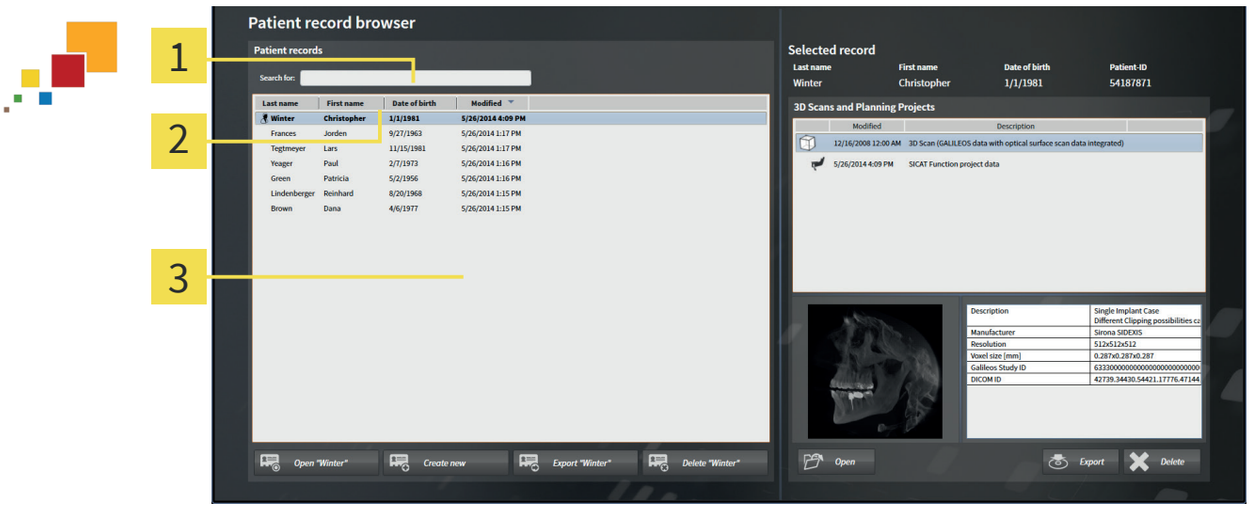
- In the **Navigation bar**, click the **Patient records** icon.
  - ► The **Patient record browser** window opens:



Proceed with one of the following actions:

- *Searching for and sorting patient records in the patient record depot [► Page 60]*
- *Activating patient records [► Page 62]*
- *Opening 3D scans or planning projects from the Patient record browser [► Page 66]*
- *Working with active patient records [► Page 63]*
- *Changing the attributes of patient records [► Page 65]*
- *Deleting patient records from patient record depots [► Page 69]*
- *Deleting 3D scans or planning projects from patient records [► Page 70]*

15.2 SEARCHING FOR AND SORTING PATIENT RECORDS IN THE PATIENT RECORD DEPOT



1 **Search for** field

2 Column headers with attributes

3 **Patient records** list

SEARCHING FOR PATIENT RECORDS

SICAT Suite searches the attributes of all patient records for the entered search text.

To search for a patient record, proceed as follows:

☑ The **Patient record browser** window is already opened. For information about this, see *Opening the "Patient record browser" window [▶ Page 59]*.

- In the **Search for** field, type the desired search text.

▶ The **Patient records** list shows all patient records that contain the entered search text in any attribute.

SICAT Suite starts searching in the moment you start typing.

SORTING PATIENT RECORDS BY ATTRIBUTES

You can sort patient records by the following attributes:

- **Last name**
- **First name**
- **Date of birth**
- **Modified**

To sort patient records by attributes, proceed as follows:

☑ The **Patient record browser** window is already opened. For information about this, see *Opening the "Patient record browser" window [▶ Page 59]*.

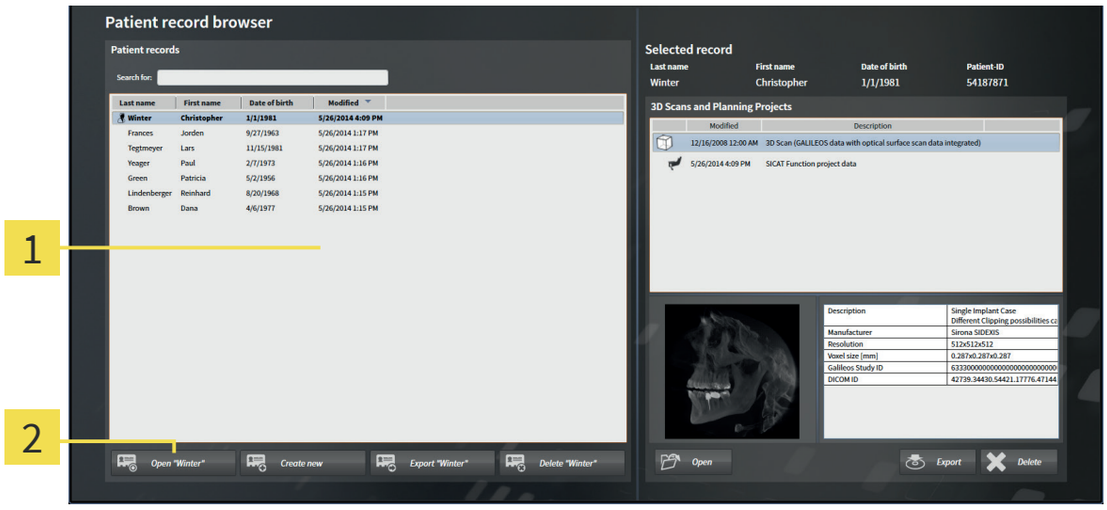
1. In the **Patient records** list, click the column header of the desired attribute.
   ► SICAT Suite sorts the **Patient records** list in order of the desired attribute.
2. In the **Patient records** list, click the column header of the desired attribute again.
   ► SICAT Suite sorts the **Patient records** list in reverse order of the desired attribute.

Per default, patient records are sorted in ascending order of the modification date.

15.3 ACTIVATING PATIENT RECORDS

To work with a patient record, activate it as follows:

☑ The **Patient record browser** window is already opened. For information about this, see *Opening the "Patient record browser" window [▶ Page 59]*.



1 **Patient records** list

2 Button for activating the selected patient record

1. From the **Patient records** list, select the desired patient record.
2. Click on the button to activate the desired patient record.

▶ SICAT Suite activates the selected patient record.

Proceed with *Working with active patient records [▶ Page 63]*.

15.4 WORKING WITH ACTIVE PATIENT RECORDS

CAUTION

Deleted patient records, studies, 3D scans, and planning projects cannot be recovered.

- Only delete patient records, studies, 3D scans, and planning projects if you are sure you will never need those data again.

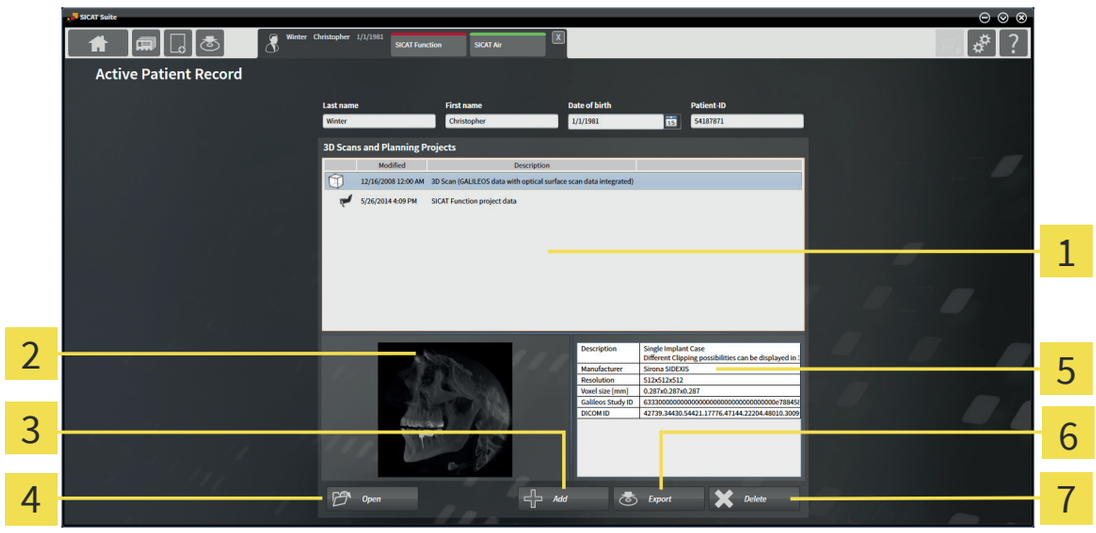
CAUTION

When deleting 3D scans, all dependent planning projects will be deleted as well.

- Only delete 3D scans if you are sure you will never need any dependent planning project again.

To work with an active patient record, proceed as follows:

☑ A patient record is already active. For information about this, see *Activating patient records [▸ Page 62]*.



1 **3D Scans and Planning Projects** list

2 **Preview** area

3 **Add** button

4 **Open** button

5 **Details** area

6 **Export** button

7 **Delete** button

1. In the **Active patient record** window, from the **3D Scans and Planning Projects** list, select the desired 3D scan or planning project.
   - ▸ The **Preview** area shows a preview of the selected 3D scan or planning project.
   - ▸ The **Details** area shows details of the selected 3D scan or planning project, for example DICOM meta data.
2. To open the selected 3D scan in a SICAT application or the selected planning project in the corresponding SICAT application, click the **Open** button.

3. To open the selected document in the standard PDF viewer, click the **Open** button.

4. To import data to the active patient record, click the **Add** button. For information about this, see *Data import [▸ Page 48]*.

5. To export the selected study from the active patient record, click the **Export** button. For information about this, see *Data export [▸ Page 72]*.

6. To delete the selected 3D scan or planning project from the active patient record, click the **Delete** button. For information about this, see *Deleting 3D scans or planning projects from patient records [▸ Page 70]*.

7. To change the attributes of the active patient record, see *Changing the attributes of patient records [▸ Page 65]*.

15.5 CHANGING THE ATTRIBUTES OF PATIENT RECORDS

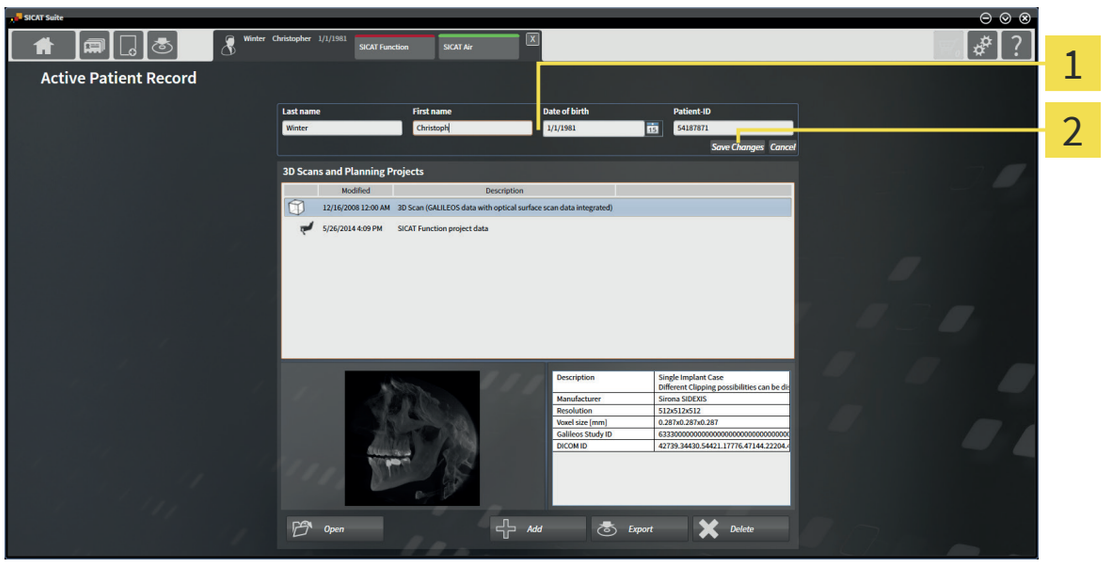
The attribute combination of every patient record in the active patient record depot has to be unique.

You can change the following attributes of a patient record:

- **Last name**
- **First name**
- **Date of birth**
- **Patient-ID**

To change the attributes of patient records, proceed as follows:

☑ A patient record is already active. For information about this, see *Activating patient records [▶ Page 62]*.



1 Attribute fields

2 **Save Changes** button

1. In the **Active patient record** window, enter the desired values in the fields of the attributes.
2. Click the **Save Changes** button.

► SICAT Suite saves your changes.

The Patient ID does not match the DICOM ID. You can enter any desired ID as patient ID, for example the Social Security number or an internal patient ID of your practice.

15.6 OPENING 3D SCANS OR PLANNING PROJECTS FROM THE PATIENT RECORD BROWSER

CAUTION

Incorrect assignment of patient name or scan could result in confusion of patient scans.

- Verify that the 3D scan that is to be imported or already loaded in a SICAT Suite application is associated with the correct name of the patient and the correct scan information.

CAUTION

Inappropriate X-ray devices could result in incorrect diagnosis and treatment.

- Only use 3D data from X-ray devices cleared as medical devices.

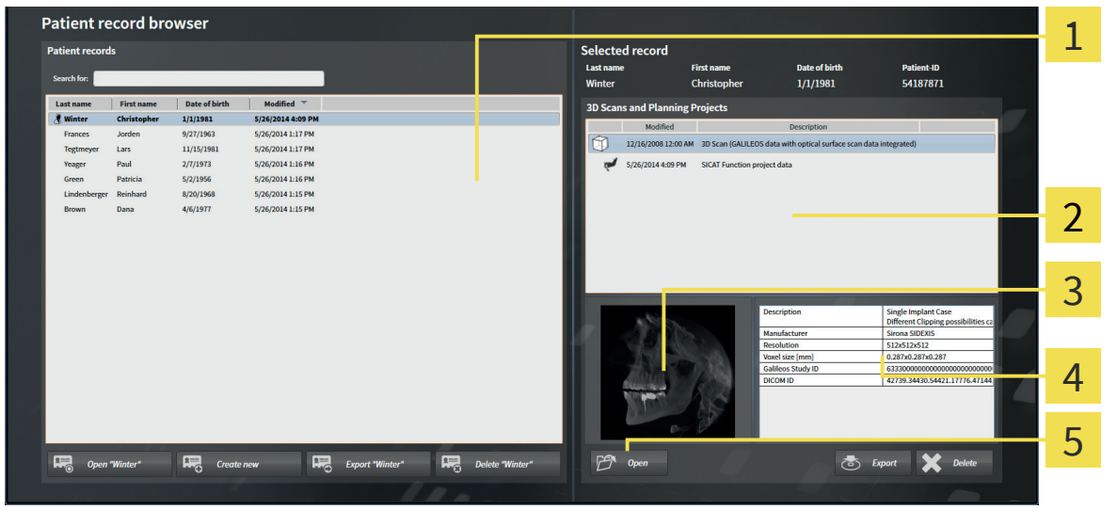
CAUTION

Inappropriate 3D data could result in incorrect diagnosis and treatment.

- Always verify the quality, integrity, and correct orientation of the displayed 3D data.

To open a 3D scan or a planning project from the **Patient record browser**, proceed as follows:

☑ The **Patient record browser** window is already opened. For information about this, see *Opening the "Patient record browser" window [▸ Page 59]*.



1 **Patient records** list

2 **3D Scans and Planning Projects** list

3 **Preview** area

4 **Details** area

5 **Open** button

1. In the **Patient record browser** window, from the **Patient records** list, select the desired patient record.
   ▸ In the **Selected record** area, the **3D Scans and Planning Projects** list shows all 3D scans and planning projects of the selected patient record.

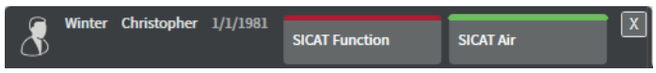
2. From the **3D Scans and Planning Projects** list, select the desired dataset or document.
   ► The **Preview** area and the **Details** area show information about the selected dataset or document.

3. Click the **Open** button.

► If you have selected a dataset, it is opened in a SICAT application.

► If you have selected a document, it is opened in the standard PDF viewer.

15.7 CLOSING ACTIVE PATIENT RECORDS AND SAVING CONTAINED PLANNING PROJECTS



To close an active patient record and save contained planning projects, proceed as follows:

- In the active patient record area, click the **Close** button.

► SICAT Suite closes the active patient record and saves changes on the planning projects.

15.8 DELETING PATIENT RECORDS FROM PATIENT RECORD DEPOTS

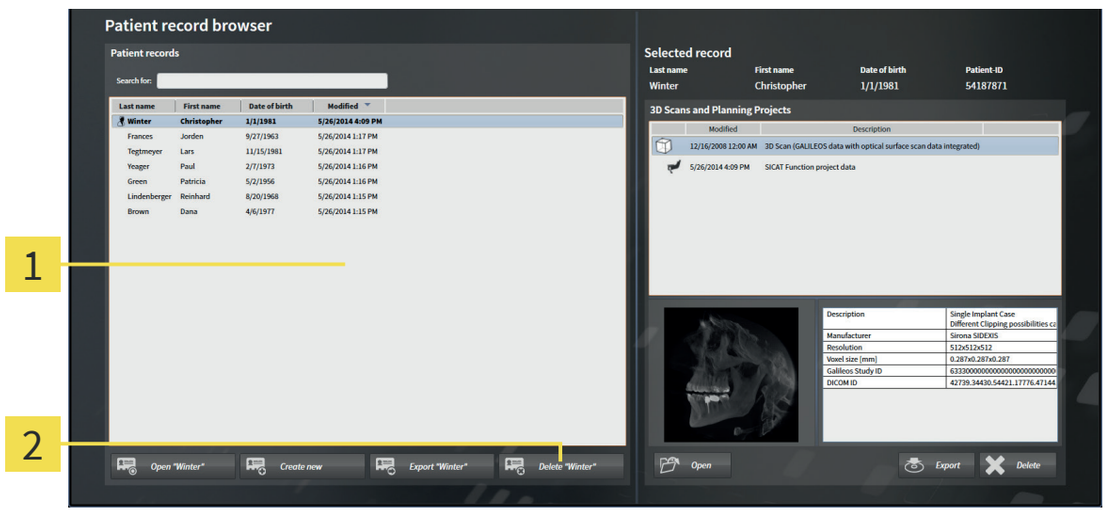
CAUTION

When deleting patient records, all 3D scans and planning projects contained in these patient records will be deleted as well.

- Only delete patient records if you are sure you will never need any contained 3D scans and planning projects again.

To delete a patient record and all contained 3D scans and planning projects, proceed as follows:

☑ The **Patient record browser** window is already opened. For information about this, see *Opening the "Patient record browser" window [▶ Page 59]*.

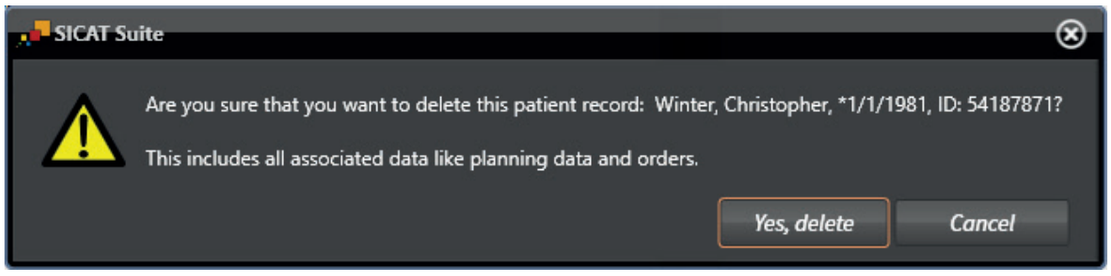


1 **Patient records** list

2 Button for deleting the selected patient record

1. In the **Patient record browser** window, from the **Patient records** list, select the desired patient record.

2. Click on the button to delete the desired patient record.
   ▶ A confirmation message opens:



3. If you want to delete the selected data anyway, in the confirmation message, click **Yes, delete**.

▶ SICAT Suite deletes the selected patient record and all contained 3D scans and planning projects from the active patient record depot and removes them from the **Patient records** list.

15.9 DELETING 3D SCANS OR PLANNING PROJECTS FROM PATIENT RECORDS

CAUTION

Deleted patient records, studies, 3D scans, and planning projects cannot be recovered.

- Only delete patient records, studies, 3D scans, and planning projects if you are sure you will never need those data again.

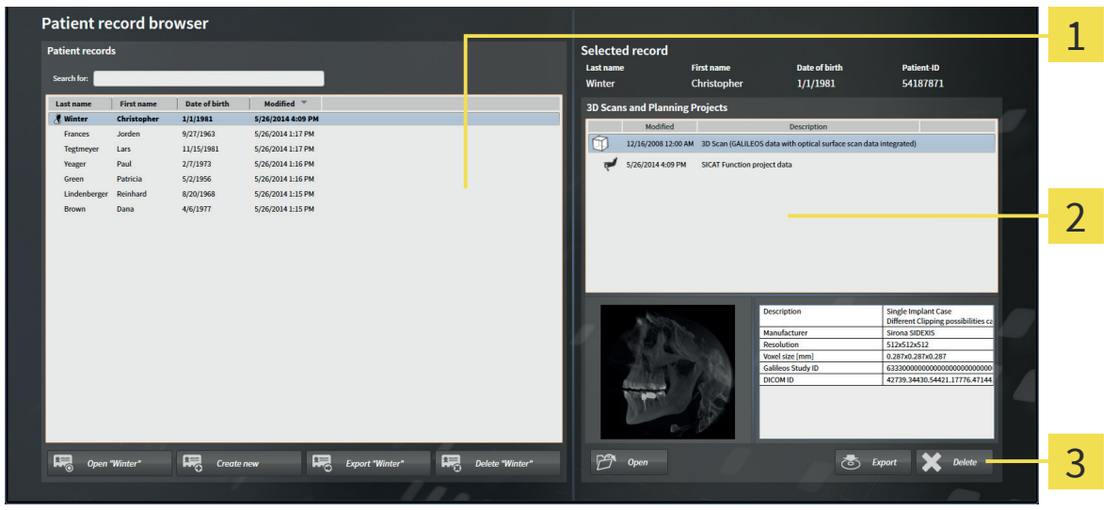
CAUTION

When deleting 3D scans, all dependent planning projects will be deleted as well.

- Only delete 3D scans if you are sure you will never need any dependent planning project again.

To delete a 3D scan or a planning project from a patient record, proceed as follows:

☑ The **Patient record browser** window is already opened. For information about this, see *Opening the "Patient record browser" window [▶ Page 59]*.



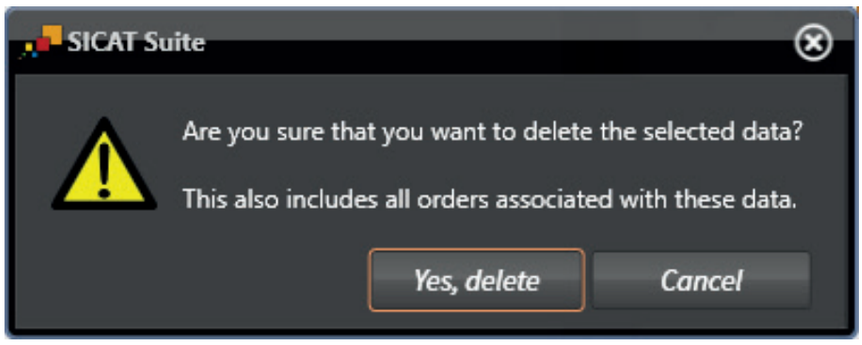
1 **Patient records** list

2 **3D Scans and Planning Projects** list

3 **Delete** button

1. In the **Patient record browser** window, from the **Patient records** list, select the desired patient record.
   - ▶ In the **Selected record** area, the **3D Scans and Planning Projects** list shows all 3D scans and planning projects of the selected patient record.
2. From the **3D Scans and Planning Projects** list, select the desired 3D scan or planning project.
3. Click the **Delete** button.

► A confirmation message opens:



4. If you want to delete the selected data anyway, in the confirmation message, click **Yes, delete**.

► SICAT Suite deletes the selected 3D scan or the selected planning project from the patient record and from the **3D Scans and Planning Projects** list.

You can also delete 3D scans or planning projects from patient records in the **Active patient record** window. For information about this, see *Working with active patient records [▶ Page 63]*.

16 DATA EXPORT

You can export the studies from the currently opened patient record. If SICAT Suite has been started as integrated version, it is the study that has been opened in in the main software.

NOTICE

Re-import of exported data

- You can only import data that has been previously exported from the integrated version of the SICAT Suite into the standalone version of the SICAT Suite.

SICAT Suite can export the following data:

- Patient records (DICOM)
- 3D studies
- Documents

Exported data can contain the following elements:

DATA TYPE	EXPORT FORMAT
3D scans	DICOM
Planning projects	SICAT proprietary
Document	PDF

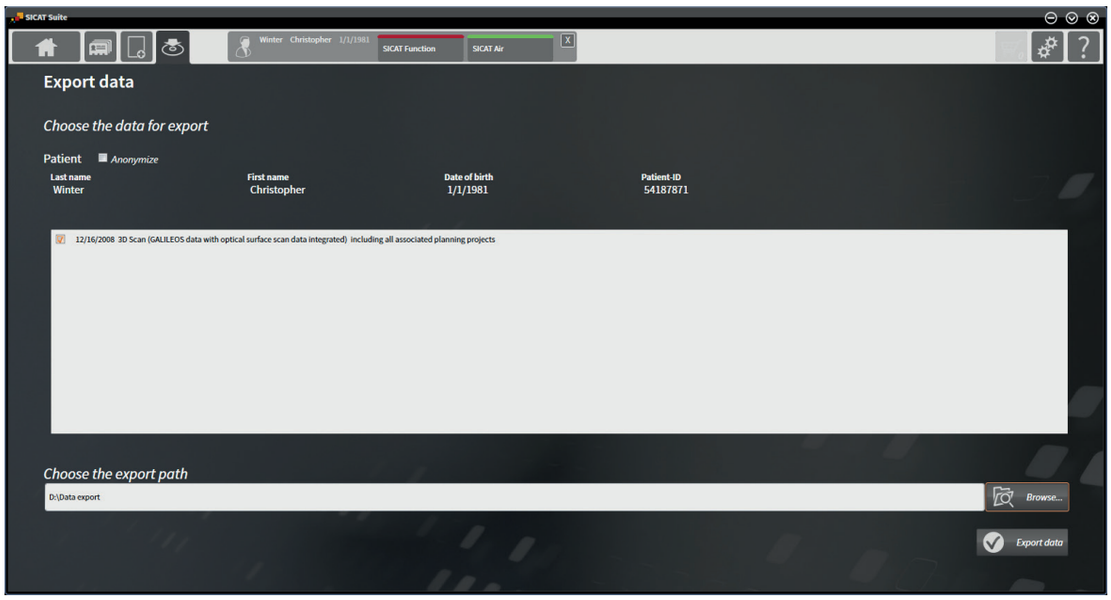
SICAT Suite can export studies including all Planning projects from the active patient record. If required, SICAT Suite can anonymize patient records for the export.

If you export document, a Windows File Explorer window opens and you can select a target folder.

To export data, perform the following actions in the given order:

- Open the **Export data** window. For information about this, see either *Opening the "Export data" window in the standalone version [▸ Page 73]* or *Opening the "Export data" window in SICAT Suite as SIDEXIS XG plug-in [▸ Page 74]*.
- Export the desired data. For information about this, see *Exporting data [▸ Page 75]*.

16.1 OPENING THE "EXPORT DATA" WINDOW IN THE STANDALONE VERSION



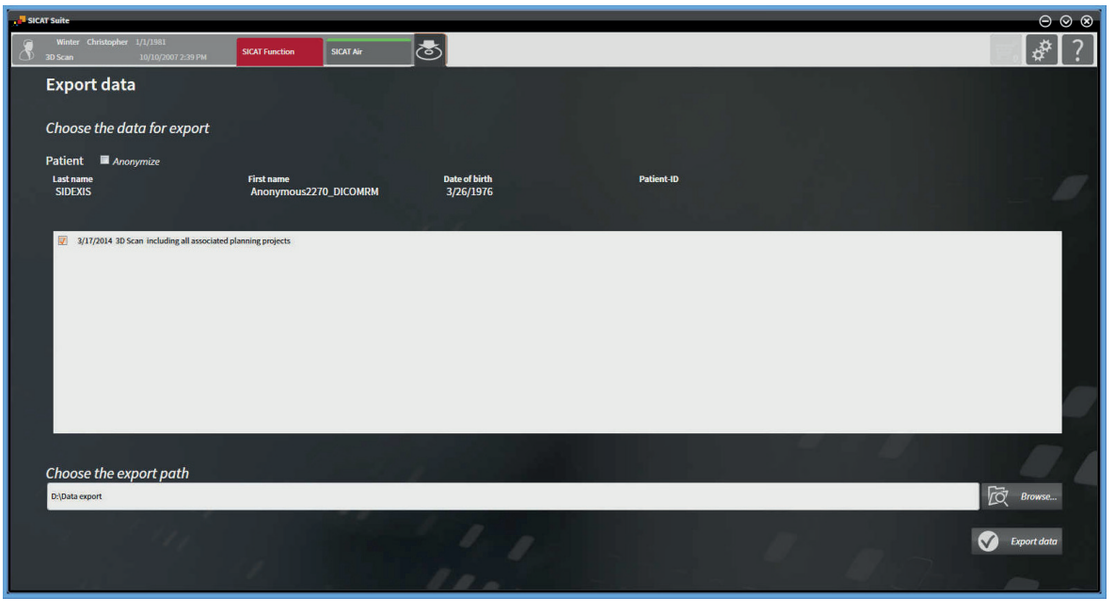
To open the **Export data** window in the standalone version of SICAT Suite, perform one of the following actions:

- If a patient record is currently active, in the **Navigation bar**, click the **Export data** icon.
  - ► The **Export data** window opens.
- In the **SICAT Suite Home** window, click the **Export data** button.
  - ► The **Export data** window opens.
- In the **Active patient record** window, select a 3D scan, a study, or a planning project and click the **Export data** button.
  - ► SICAT Suite activates the patient record and opens the **Export data** window for the selected data.
- In the **Patient record browser** window, select a patient record and click the button for exporting the selected patient.
  - ► SICAT Suite activates the patient record and opens the **Export data** window. All 3D scans and planning projects of the patient record are selected for export.
- In the **Patient record browser** window, select a 3D scan or a planning project, and click the **Export data** button.
  - ► SICAT Suite activates the patient record and opens the **Export data** window.

SICAT Suite only exports the selected 3D scans and planning projects of the active patient record.

Proceed with *Exporting data [► Page 75]*.

16.2 OPENING THE "EXPORT DATA" WINDOW IN SICAT SUITE AS SIDEXIS XG PLUG-IN



To open the **Export data** window in SICAT Suite as a SIDEXIS XG plug-in, proceed as follows:

- In the **Navigation bar**, click the **Export data** icon.

► The **Export data** window opens.

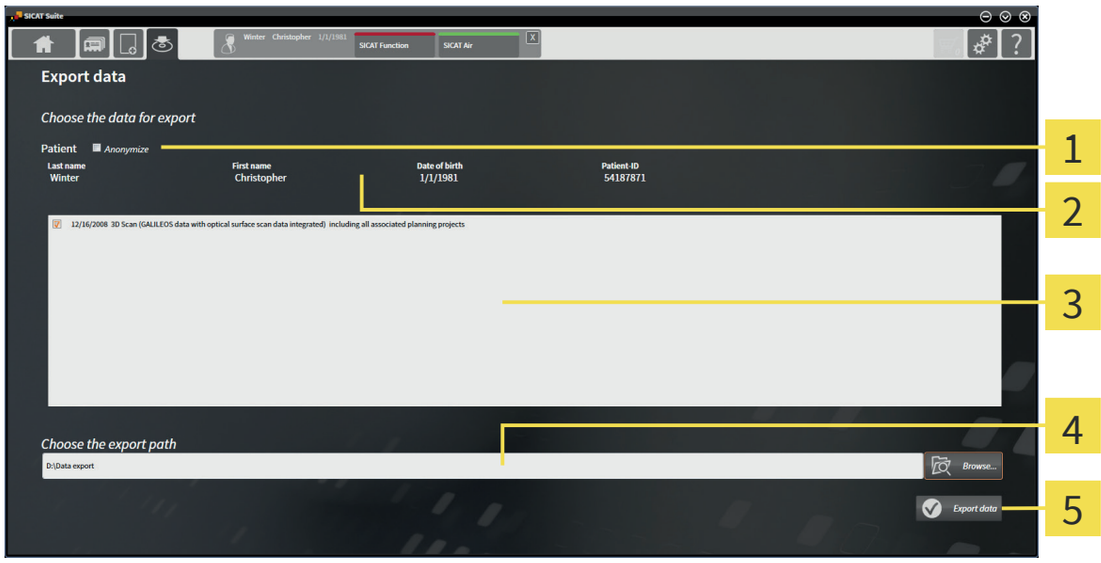
SICAT Suite only exports the selected 3D scans and planning projects of the active patient record.

Proceed with *Exporting data [► Page 75]*.

16.3 EXPORTING DATA

To export studies, proceed as follows:

☑ The **Export data** window is already opened. For information about this, see *Opening the "Export data" window in the standalone version [▶ Page 73]* or *Opening the "Export data" window in SICAT Suite as SIDEXIS XG plug-in [▶ Page 74]*.



1 **Anonymize** check box

2 Attributes of patient record

3 List of 3D studies

4 **Choose the export path** field

5 **Export data** button

1. If desired, in the **Export data** window, select the **Anonymize** check box.
   - ► The attributes of the exported patient record change to **Patient** for the **Last name**, **Anonymous** for the **First name**, and **01.01.** with the year of birth for the **Date of birth**. The attributes of the patient record in the patient record depot remain unchanged.
2. Make sure the desired 3D studies of the desired patient record are selected.

3. Click the **Browse** button.
   - ► The **Select directory** window opens.
4. In the **Select directory** window, select a target folder and click **OK**.
   - ► The **Select directory** window closes and SICAT Suite transfers the path to the desired folder to the **Choose the export path** field.

5. Click the **Export data** button.

► SICAT Suite exports the selected studies to the selected folder.

17 ORDERING PROCESS

To order therapeutic appliances, proceed as follows:

- In a SICAT application, add the desired planning data for therapeutic appliances to the shopping cart. You can find information regarding this in the instructions for use of the respective SICAT application.
- Check the shopping cart in SICAT Suite and start the order. For information about this, see *Checking the shopping cart and finalizing an order [▸ Page 77]*.
- Finalize the order directly on the computer that runs SICAT Suite or on another computer with an active Internet connection. For information about this, see *Finalizing orders with an active Internet connection [▸ Page 78]* or *Finalizing orders without an active Internet connection [▸ Page 79]*.
- The SICAT Portal allows you to submit your order via your web browser to qualified vendors and shows you the prices of the products. For a description of the ordering steps that take place in SICAT Portal, see *Performing ordering steps in the SICAT Portal [▸ Page 82]*.

If you have completed the order, SICAT WebConnector or your web browser transfers the order data using an encrypted Internet connection.

If you have started SICAT Suite as standalone version, you can add multiple therapeutic appliances to the shopping cart per order that are based on different patients and 3D scans. The contents of the shopping cart are saved when closing SICAT Suite.

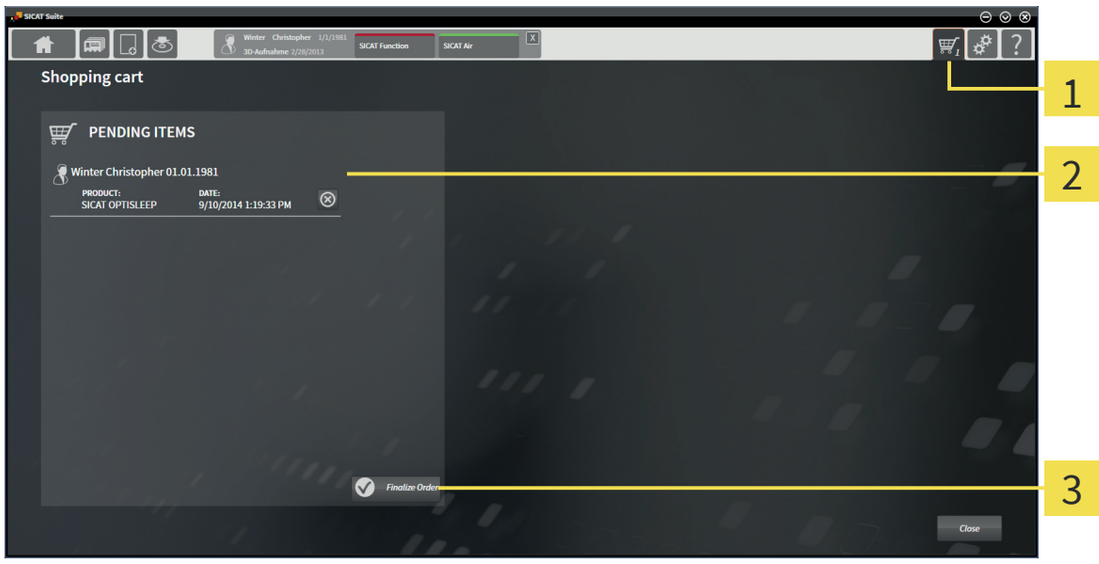
If you have started SICAT Suite from SIDEXIS, you can only add orders to the shopping cart that are based on the same 3D scan. You have to perform the ordering process afterwards completely, because the contents of the shopping cart are deleted on closing SICAT Suite.

If the computer that runs SICAT Suite has an active Internet connection, SICAT Suite WebConnetor automatically transfers the encrypted order data to the SICAT server. In this case, multiple therapeutic appliances per order are possible. If the computer that runs SICAT Suite does not have an active Internet connection, the transmission is performed via an XML file and a zip archive that you can upload onto another computer with an active Internet connection. In this case, SICAT Suite exports all therapeutic appliances in the shopping cart at once and creates a separate folder per patient. In SICAT Portal, you can upload one therapeutic appliance per patient afterwards.

17.1 CHECKING THE SHOPPING CART AND FINALIZING AN ORDER

☑ The shopping cart contains at least one therapeutic appliance.

1. If the shopping cart is not already opened, in the **Navigation bar**, click the **Shopping cart** button.
   ► The **Shopping cart** window opens and shows all therapeutic appliances grouped by patients that are currently included in the shopping cart.



1 **Shopping cart** tab

2 **PENDING ITEMS** list

3 **Finalize Order** button

2. In the **Shopping cart** window, check if the desired therapeutic appliances are included.
3. Click the **Finalize Order** button.

► SICAT Suite changes the status of the order to **Preparing** and establishes a connection to the SICAT server.

► In the case of orders with an active Internet connection, changes on the order are only possible in SICAT Portal.

You can click the **Delete** icon to remove therapeutic appliances from the shopping cart.

Proceed with one of the following actions:

- *Finalizing orders with an active Internet connection [► Page 78]*
- *Finalizing orders without an active Internet connection [► Page 79]*

17.2 FINALIZING ORDERS WITH AN ACTIVE INTERNET CONNECTION

☑ The computer that runs SICAT Suite has an active internet connection.

☑ SICAT Portal has been automatically opened in your web browser.

1. If not already done, log on to SICAT Portal with your SICAT ID and your password.
   ▶ The order overview opens and shows the contained therapeutic appliances and the corresponding prices grouped by patients.
2. Follow the orders under *Performing ordering steps in the SICAT Portal [▶ Page 82]*.

▶ SICAT Suite prepares the order data for the upload.

▶ When the preparation has been completed, SICAT WebConnector transmits the order data using an encrypted connection to the SICAT server.

▶ The status of the order in the shopping cart changes to **Uploading**.

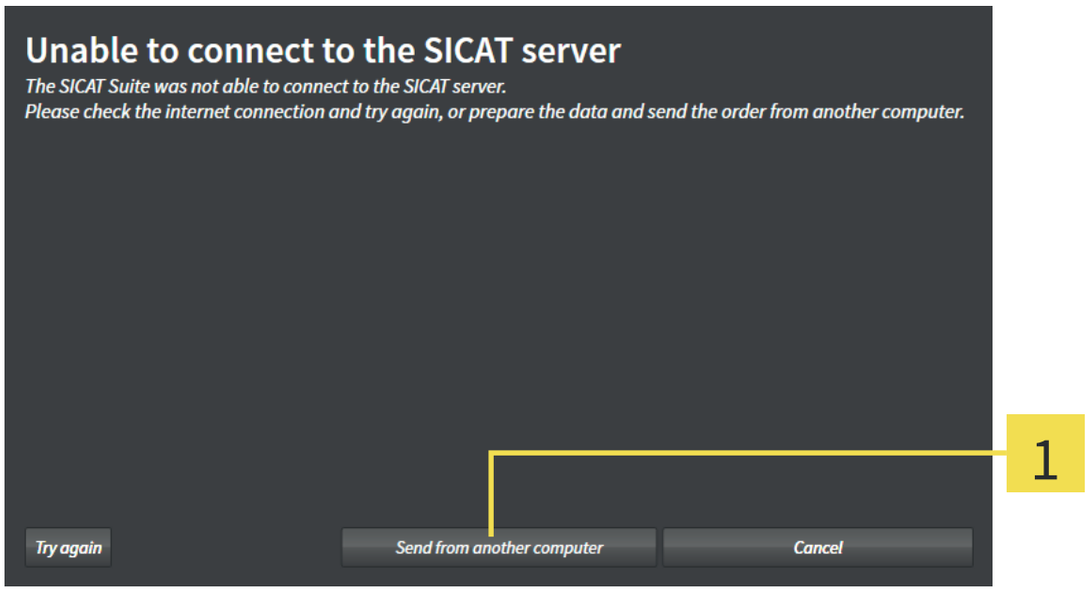
You can remove patients and the corresponding therapeutic appliances from the SICAT Portal by selecting a patient and clicking on the button for removing patients. Afterwards, you have full access to the compilation of therapeutic appliances in the shopping cart of SICAT Suite again.

If you log off from Windows during the upload, SICAT WebConnector pauses the process. The software continues with the upload process automatically after logging on again.

17.3 FINALIZING ORDERS WITHOUT AN ACTIVE INTERNET CONNECTION

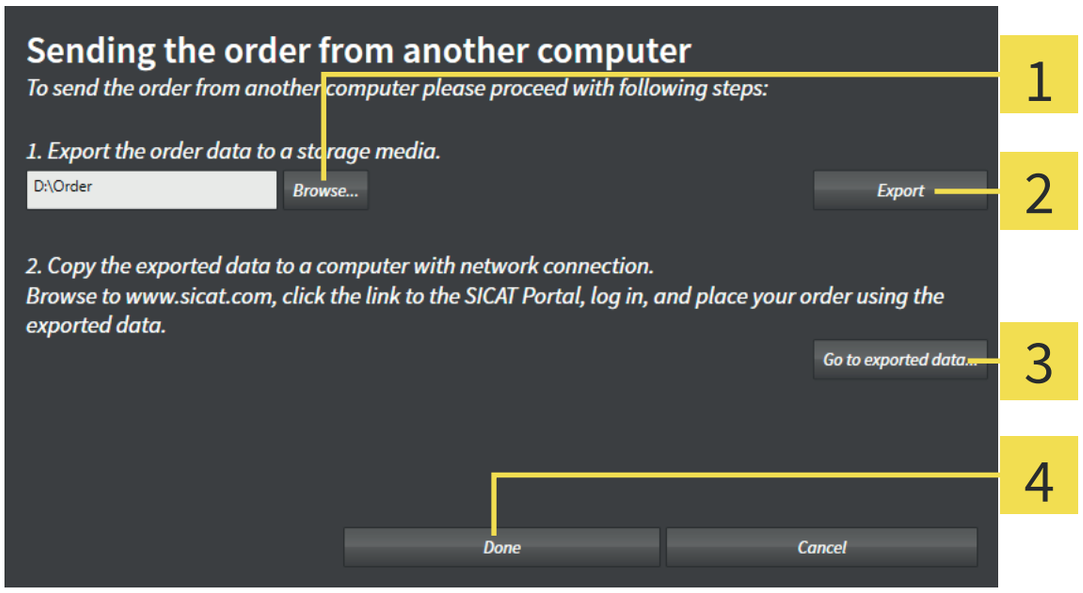
☑ The computer that runs SICAT Suite does not have an active internet connection.

☑ The window shows the following message: **Unable to connect to the SICAT server**



1 **Send from another computer** button

1. Click the **Send from another computer** button.
   ► The **Sending the order from another computer** window opens:



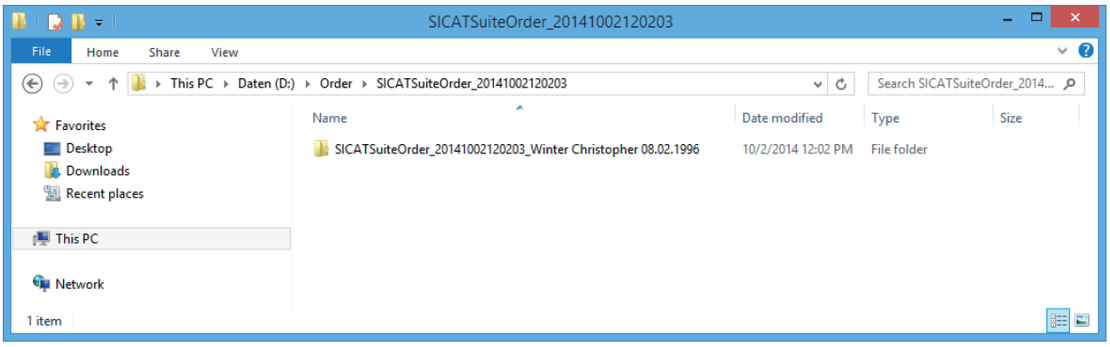
1 **Browse** button

2 **Export** button

3 **Go to exported data** button

4 **Done** button

2. Click the **Browse** button.
   ► A Windows File Explorer window opens.
3. Choose an existing folder or create a new folder and click **OK**.
4. Click the **Export** button.
   ► SICAT Suite exports all data into the selected folder that is required for ordering the content of the shopping cart. SICAT Suite creates a sub folder for each patient.
5. Click the **Go to exported data** button.
   ► A Windows File Explorer window opens and shows the directory with the exported data:



6. Copy the folder that contains the data of the desired therapeutic appliance to a computer with an active Internet connection, for example with the help of a USB flash drive.
7. In the **Sending the order from another computer** window, click **Done**.
   ► SICAT Suite closes the **Sending the order from another computer** window.
   ► SICAT Suite removes all therapeutic appliances that are included in the order from the shopping cart.
8. On the computer with an active Internet connection, open a web browser and open the http://www.sicat.com web page.
9. Click on the link to the SICAT Portal.
   ► The SICAT Portal opens.
10. If not already done, log on to SICAT Portal with your SICAT ID and your password.
11. Click on the button for uploading the order.
12. Choose the desired order on the computer with an active Internet connection. It is the XML file that has a file name starting with **SICATSuiteOrder**.
    ► The order overview opens and shows the contained patient, the corresponding therapeutic appliance and the price.
13. Follow the orders under *Performing ordering steps in the SICAT Portal [► Page 82]*.
14. Click on the button for uploading the therapeutic appliance data.

15. Choose the corresponding therapeutic appliance data on the computer with an active Internet connection. It is the zip archive that is contained in the same folder as the previously uploaded XML file and has a file name starting with **SICATSuiteExport**.

► If you have performed the order, your web browser transfers the archive with the therapeutic appliance data using an encrypted connection to the SICAT server.

SICAT Suite does not delete exported data automatically. If an ordering process is completed, you should delete exported data manually for security reasons.

17.4 PERFORMING ORDERING STEPS IN THE SICAT PORTAL

1. Check if the desired therapeutic appliances are included.
2. If required, remove the patients and thus all corresponding therapeutic appliances from the order overview.
3. Check if the billing address and the delivery address are correct. If required, make changes.
4. Select the desired shipping method.
5. Accept the general terms and conditions and submit the order.

18 SETTINGS

General settings differ between the standalone version and the integrated versions of SICAT Suite:

- In the standalone version of SICAT Suite, you can change general settings. The changes take effect immediately.

- The integrated versions of SICAT Suite take most settings from the main software. Therefore, you can only view the values of those settings in the SICAT Suite settings. Please make desired changes to those settings in the main software and restart the integrated version of SICAT Suite in order for the changes to take effect.

These instructions for use describe common settings of SICAT Suite. You can find application specific information in the instructions for use of the respective SICAT application.

You can change or view common settings in the **Settings** window. After clicking the **Settings** icon, the settings bar on the left-hand side of the **Settings** window shows the following tabs:

- **General** - for information about this, see *Changing or viewing general settings [▶ Page 84]*.
- **Your patient record depots** - only available in the standalone version of SICAT Suite. For information about this, see *Patient record depots [▶ Page 41]*.
- **Licenses** - for information about this, see *Licenses [▶ Page 34]*.
- **Practice** - Change the logo and the information text of your practice, for example for use on printouts. For information about this, see *Changing or viewing practice information [▶ Page 88]*.
- Other tabs originate from SICAT applications. You can find application specific information in the instructions for use of the respective SICAT application.

18.1 CHANGING OR VIEWING GENERAL SETTINGS

General settings differ between the standalone version and the integrated versions of SICAT Suite:

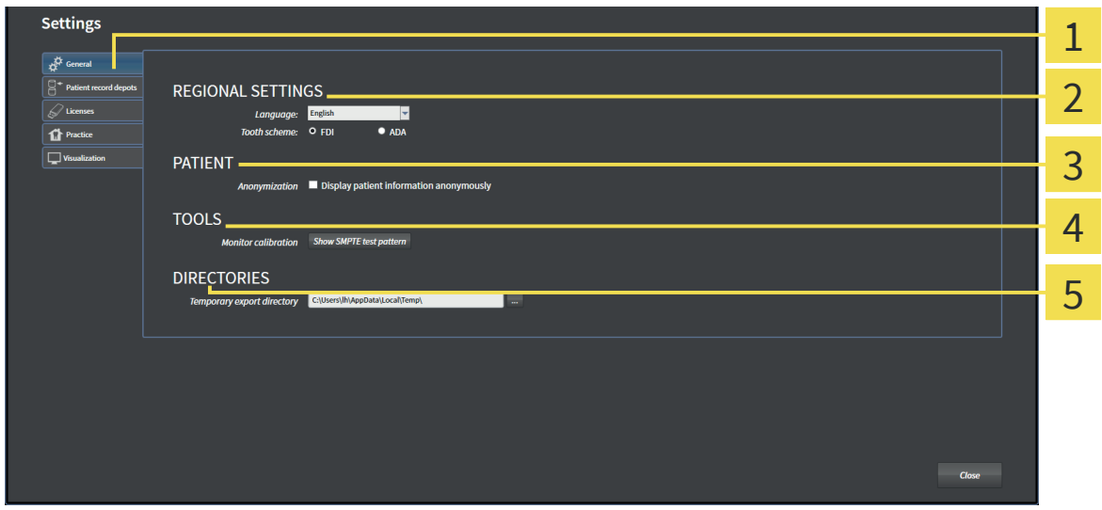
- In the standalone version of SICAT Suite, you can change general settings. The changes take effect immediately.

- The integrated versions of SICAT Suite take most settings from the main software. Therefore, you can only view the values of those settings in the SICAT Suite settings. Please make desired changes to those settings in the main software and restart the integrated version of SICAT Suite in order for the changes to take effect.

To change or view the language, the tooth scheme, and the anonymization option, proceed as follows:

1. In the **Navigation bar**, click the **Settings** icon.
   ▶ The **Settings** window opens.

2. Click the **General** tab.
   ▶ The **General** window opens:



1 **General** tab

2 **REGIONAL SETTINGS** area

3 **PATIENT** area

4 **TOOLS** area

5 **DIRECTORIES** area

You can change or view the following settings:

- In the **REGIONAL SETTINGS** area, in the **Language** list, you can change or view the language of the user interface.
- In the **REGIONAL SETTINGS** area, under **Tooth scheme**, you can change or view the desired tooth scheme.
- In the **PATIENT** area, you can change or view the state of the **Display patient information anonymously** check box. If the check box is selected, the attributes of the patient record in the **Navigation bar** area are shown as **Patient** for the **Last name**, **Anonymous** for the **First name** and **01.01.** with the year of birth for the **Date of birth**. In the **SICAT Suite Home** window, SICAT Suite hides the **Recent patient records** list.
- In the **DIRECTORIES** area, in the **Temporary export directory** field, you can specify a folder where SICAT Suite saves order data. You must have full access to this folder.

In addition to viewing the general settings, you can open the SMPTE test pattern to calibrate your monitor:

- Under **TOOLS**, **Monitor calibration**, click the **Show SMPTE test pattern** button to calibrate your monitor. For information about this, see *Monitor calibration with the SMPTE test pattern [▶ Page 86]*.

The supported tooth schemes are FDI and ADA.

18.2 MONITOR CALIBRATION WITH THE SMPTE TEST PATTERN

CAUTION

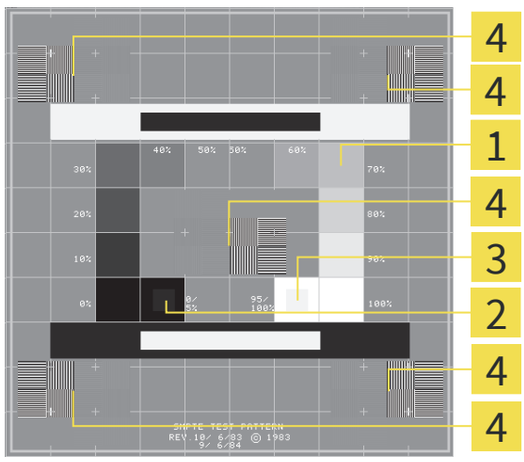
Insufficient environmental visualization conditions could result in incorrect diagnosis and treatment.

1. Only perform planning if the environmental conditions allow for sufficient visualization quality. For example, check for appropriate lighting.
2. Check for sufficient visualization quality using the SMPTE test pattern.

Four main properties determine the suitability of your monitor to display data in SICAT applications:

- Brightness
- Contrast
- Spatial resolution (linearity)
- Aliasing (distortion)

The SMPTE test pattern is a reference picture that helps you to check the properties of your monitor:



1 Grey scale squares

2 0% square

3 100% square

4 Squares containing a bar pattern with high contrast

CHECKING BRIGHTNESS AND CONTRAST

In the center of the SMPTE test pattern, a series of squares show the grey scale from black (0% brightness) to white (100% brightness):

- The 0% square contains a smaller square to show the difference in brightness between 0% and 5%.
- The 100% square contains a smaller square to show the difference in brightness between 95% and 100%.

To check or set up your monitor, proceed as follows:

☑ The SMPTE test pattern is already opened. For information about this, see *Changing or viewing general settings [▶ Page 84]*.

- In the 0% square and the 100% square, check if you can see the visual difference between the inner square and the surrounding square. If required, change the settings of your monitor.

Many monitors are only able to show the difference in brightness in the 100% square, but not in the 0% square. You can reduce the ambient light to improve the differentiability of the different brightness levels in the 0% square.

CHECKING SPATIAL RESOLUTION AND ALIASING

On the edges and in the middle of the SMPTE test pattern, 6 squares show a bar pattern with high contrast. Regarding spatial resolution and aliasing, you have to be able to distinct the varying widths of alternating black and white horizontal as well as vertical lines:

- From wide to narrow (6 pixels, 4 pixel, and 2 pixel)
- Horizontally and vertically

To check or set up your monitor, proceed as follows:

- In the 6 squares showing a bar pattern with high contrast, check if you can differentiate all lines. If required, change the settings of your monitor.

CLOSING THE SMPTE TEST PATTERN

To close the SMPTE test pattern, proceed as follows:

- Press the **ESC** key.

► The SMPTE test pattern closes.

18.3 CHANGING OR VIEWING PRACTICE INFORMATION

As SIDEXIS XG plug-in, SICAT Suite takes the practice logo and the information text from the main software. Therefore, you can only view the values of those settings in the SICAT Suite settings. Please make desired changes to those settings in the main software and restart the integrated version of SICAT Suite in order for the changes to take effect.

The applications of SICAT Suite use the logo and an information text of your practice to individualize printouts or handouts.

To change or view the logo and the information text of your practice, proceed as follows:

1. In the **Navigation bar**, click the **Settings** icon.
   ▶ The **Settings** window opens.
2. Click the **Practice** tab.
   ▶ The **PRACTICE** window opens:

1 **Practice** tab

2 **Logo** area

3 **Information** area

You can change or view the following settings:

- In the **Logo** area, you can change or view the logo of your practice. With the **Change** button, you can select the logo of your practice. SICAT Suite copies the given file to your SICAT Suite user folder.
- In the **Information** area, you can change or view a text that identifies your practice, for example name and address. You can increase the number of rows to a maximum of five by pressing the **Enter** key. You can undo changes to the information text by clicking the **Undo changes** button.

19 SUPPORT

You can open the **Support** window by clicking the **Support** icon in the **Navigation bar** or by pressing the F1 key.

The SICAT Suite **Support** window consists of the following tabs:

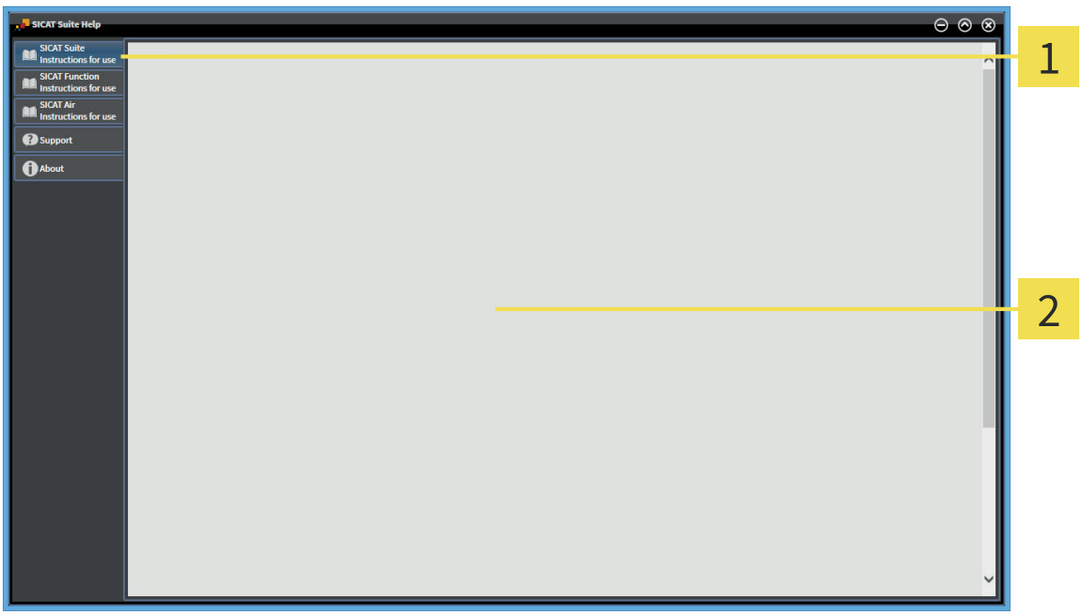
- **Instructions for Use** - for information about this, see *Online Help [▶ Page 90]*.

- **Support** - for information about this, see *Support contact information and tools [▶ Page 91]*.

- **About** - for information about this, see *About [▶ Page 92]*.

19.1 ONLINE HELP

Multiple windows show the instructions for use of SICAT Suite and the instructions for use of a SICAT application in form of an online help:

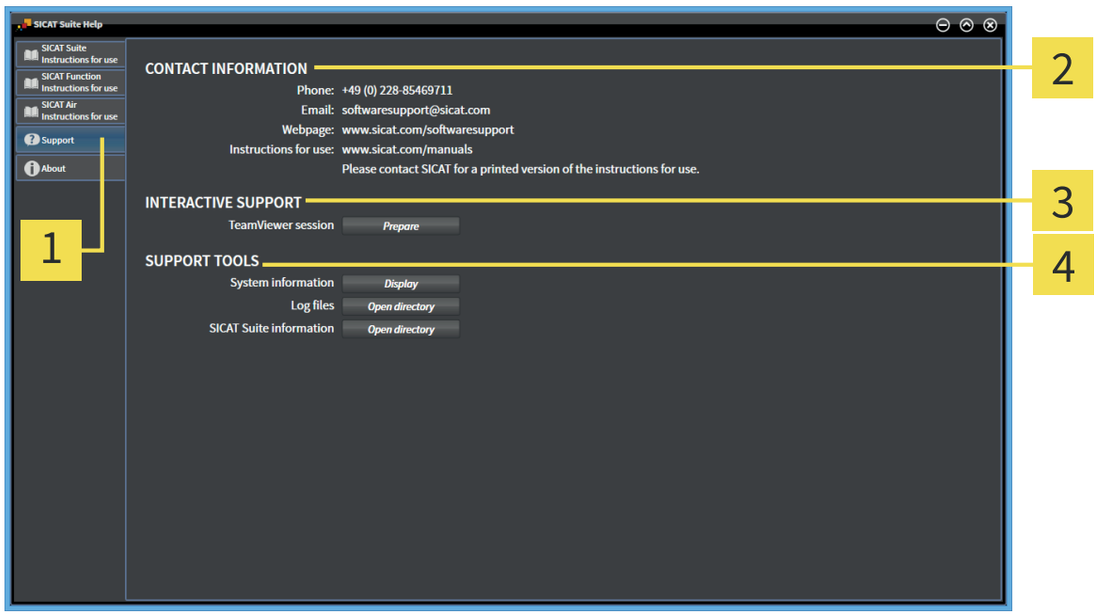


1 **Instructions for Use** tab

2 **Instructions for Use** window

19.2 SUPPORT CONTACT INFORMATION AND TOOLS

The **Support** window contains all relevant information needed by SICAT support to help you:



1 **Support** tab

2 **CONTACT INFORMATION** area

3 **INTERACTIVE SUPPORT** area

4 **SUPPORT TOOLS** area

In the **INTERACTIVE SUPPORT** area, the following tools are available:

- After clicking the **TeamViewer session** button, SICAT Suite opens a TeamViewer session.

TeamViewer is a software that allows remotely controlling mouse and keyboard commands and transferring the screen content of a computer over an active Internet connection. TeamViewer only establishes a connection with your explicit permission. To do so, you transmit a TeamViewer ID and a password to the SICAT Support. This allows the SICAT support to help you with problems that cannot be solved via telephone or e-mail.

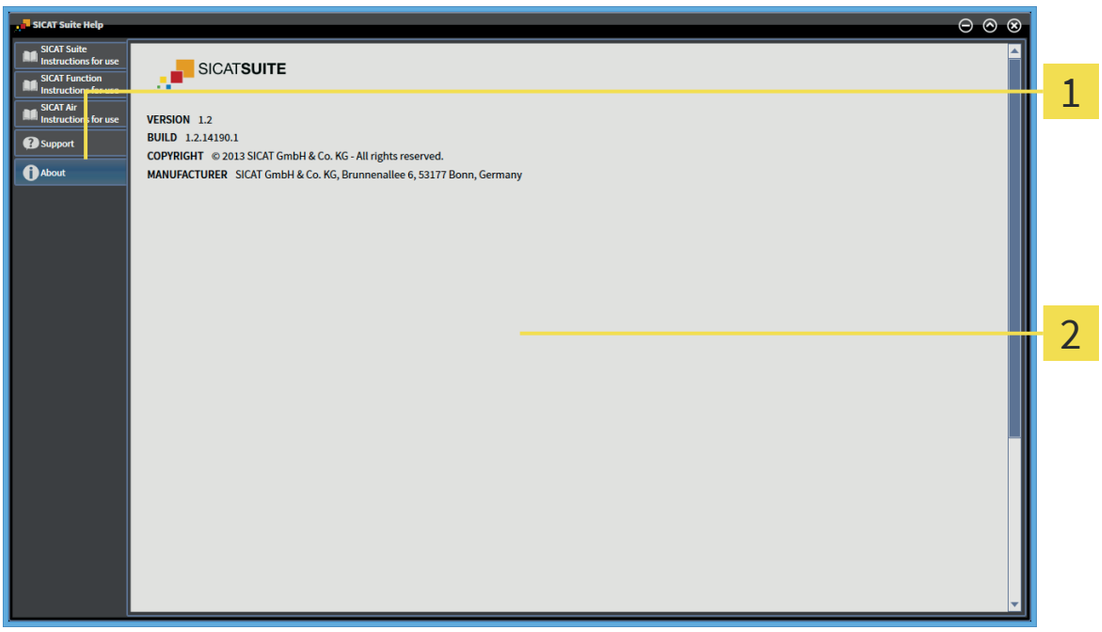
In the **SUPPORT TOOLS** area, the following tools are available:

- After clicking the **System information** button, SICAT Suite opens the system information of the operating system.
- After clicking the **Log files** button, SICAT Suite opens the log folder of SICAT Suite in a Windows File Explorer window.
- After clicking the **SICAT Suite information** button, SICAT Suite exports information about the current installation into a text file.

System information, log files, and the SICAT Suite information text file allow the SICAT support to help you.

19.3 ABOUT

The **About** window shows information about SICAT Suite and all installed SICAT applications:



1 **About** tab

2 **About** window

20 VIEWING DATA

Viewing data differs between the standalone version and the integrated versions of SICAT Suite:

- If you use the standalone version of SICAT Suite, proceed with *Viewing data in the standalone version [▶ Page 94]*.

- If you use SICAT Suite as a SIDEXIS XG plug-in, proceed with *Viewing data in SICAT Suite as a SIDEXIS XG plug-in [▶ Page 96]*.

20.1 VIEWING DATA IN THE STANDALONE VERSION

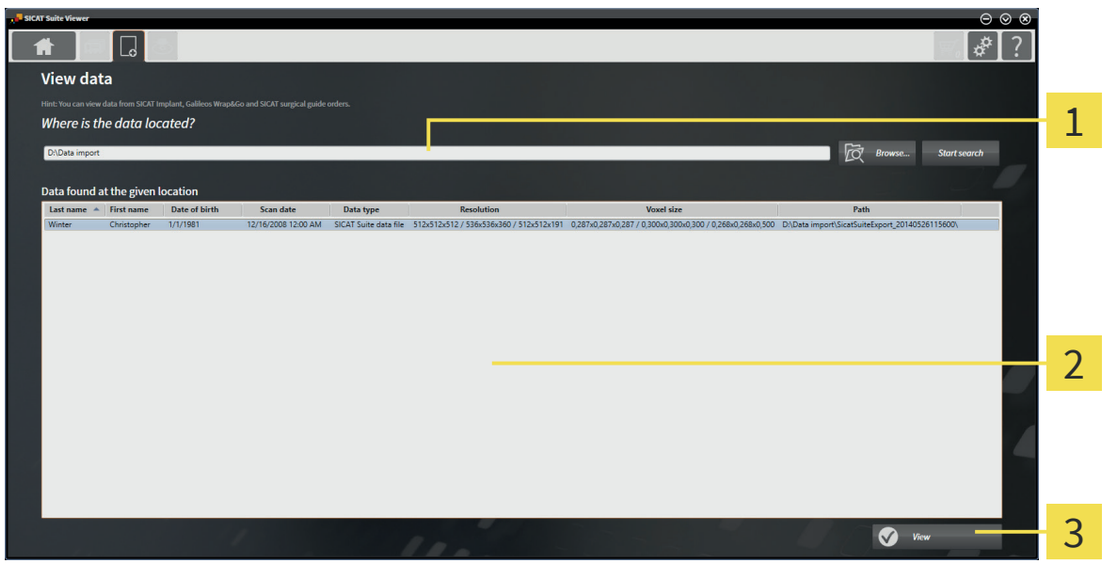
The type of data that you can view in the standalone version depends on the license status and the availability of an active patient record depot:

ACTIVE LICENSE?	ACTIVE PATIENT RECORD DEPOT?	DATA THAT YOU CAN VIEW
No	No	SICAT data
Yes	No	SICAT data and DICOM data
Yes	Yes	None, only data import is available. For information about this, see *Data import [▸ Page 48]*.

To view data, proceed as follows:

☑ SICAT Suite runs in viewer mode.

1. In the **Navigation bar**, click the **View data** icon.
   ▸ The **View data** window opens:



1 **Where is the data located** field

2 **Data found at the given location** list

3 **View** button

2. Click the **Browse** button.
   ▸ The **Select file or directory** window opens.

3. In the **Select file or directory** window, select the desired file or folder and click **OK**.
   ▸ SICAT Suite closes the **Select file or directory** window and transfers the path to the desired file or folder to the **Where is the data located** field.

- ► If you have selected a compatible file, SICAT Suite shows the contents of the file in the **Data found at the given location** list.
- ► If you have selected a folder, SICAT Suite searches the folder and all subfolders. SICAT Suite shows compatible files that are contained in one of the searched folder in the **Data found at the given location** list.

4. From the **Data found at the given location** list, select the desired 3D scan or planning project and click the **View data** button.
   - ► SICAT Suite sets up a temporary patient record that contains 3D scans and planning projects and activates it.
5. Proceed with *Working with active patient records [► Page 63]*.

You can also use drag & drop to view data in SICAT Suite.

If you use the described procedure, the search starts automatically. You can cancel the search by clicking the **Stop search** button. If you manually type or paste the path to a file or a folder in the **Where is the data located** field, you need to click the **Start search** button. This can also be useful to restart a search in case that the content of the folder has changed or you stopped the last search unintentionally.

20.2 VIEWING DATA IN SICAT SUITE AS A SIDEXIS XG PLUG-IN

Two parameters determine if you can perform changes on planning data or not:

- A license is activated in SICAT Suite or not.
- Another SIDEXIS XG workstation uses the current 3D scan or not.

ACTIVE LICENSE?	3D SCAN IN USE BY ANOTHER SIDEXIS XG WORKSTATION?	MODE
No	Irrelevant	Viewer mode
Yes	Yes	Viewer mode
Yes	No	Available in full featured mode?

For further information about multi-workstation support in SIDEXIS XG, see the instructions for use of SIDEXIS XG.

To view data, proceed as follows:

☑ SICAT Suite runs in viewer mode.

1. Start SICAT Suite together with a 3D scan from Sirona SIDEXIS XG. For information about this, see *Starting SICAT Suite as a SIDEXIS XG plug-in [▶ Page 26]*.
   - ▶ SICAT Suite opens the 3D scan and the planning projects from the current SIDEXIS XG study in viewer mode.
   - ▶ If another SIDEXIS XG workstation uses the current 3D scan, a window opens and shows the following message: **This patient record is being used by another user and can only be opened in read-only mode**
2. In the message window, click the **Open in read-only mode** button.

▶ SICAT Suite opens the 3D scan and the planning projects from the current SIDEXIS XG study in viewer mode.

21 CLOSING SICAT SUITE

- In the upper right corner of SICAT Suite, click the **Close** button.

► If SICAT Suite runs in full featured mode, has write permissions, and a study is opened, it saves all planning projects.

► SICAT Suite closes.

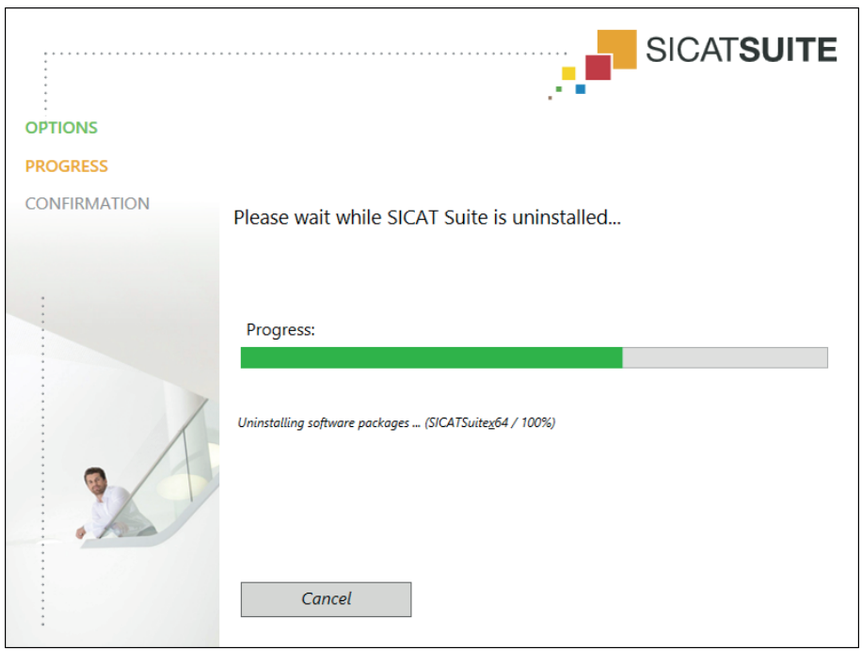
► If SICAT Suite runs as integrated version, the main software finally saves the planning projects.

22 UNINSTALLING SICAT SUITE

The SICAT Suite installer preserves active licenses on your computer. If you do not want to use SICAT Suite on this computer anymore, deactivate licenses before uninstalling. For information about this, see *Deactivating licenses [▶ Page 40]*.

To uninstall SICAT Suite, proceed as follows:

1. In the Windows **Control Panel**, click **Programs and Features**.
   ▶ The **Programs and Features** window opens.
2. From the list, choose the **SICAT Suite** entry containing the version of SICAT Suite.
3. Click the **Uninstall** button.
   ▶ The uninstalling starts and the **PROGRESS** window opens:



► After the uninstalling is complete, the **CONFIRMATION** window opens:

4. Click the **Finish** button.

► The SICAT Suite uninstaller closes.

To open the SICAT Suite uninstaller, you can also start the SICAT Suite installer on a computer where SICAT Suite is already installed.

The SICAT Suite uninstaller starts the uninstallers of some of the software prerequisites that have been installed together with SICAT Suite. If other applications still need the software prerequisites, they are preserved.

23 SAFETY INSTRUCTIONS

3D DATA

CAUTION

Inappropriate X-ray devices could result in incorrect diagnosis and treatment.

- Only use 3D data from X-ray devices cleared as medical devices.

CAUTION

Inappropriate 3D data could result in incorrect diagnosis and treatment.

- Always verify the quality, integrity, and correct orientation of the displayed 3D data.

CAUTION

X-ray devices without DICOM conformity could result in incorrect diagnosis and treatment.

- Only use 3D volume data from x-ray devices with DICOM conformity declared.

DATA MANAGEMENT

CAUTION

Incorrect assignment of patient name or scan could result in confusion of patient scans.

- Verify that the 3D scan that is to be imported or already loaded in a SICAT Suite application is associated with the correct name of the patient and the correct scan information.

CAUTION

Deletion of original data could result in data loss.

- Do not delete original data after import.

CAUTION

The absence of a backup mechanism for the patient record depots could result in patient data being irreversibly lost.

- Make sure that a regular data backup is created of all patient record depots.

CAUTION

When deleting patient records, all 3D scans and planning projects contained in these patient records will be deleted as well.

- Only delete patient records if you are sure you will never need any contained 3D scans and planning projects again.

CAUTION

Deleted patient records, studies, 3D scans, and planning projects cannot be recovered.

- Only delete patient records, studies, 3D scans, and planning projects if you are sure you will never need those data again.

⚠ **CAUTION**

When deleting 3D scans, all dependent planning projects will be deleted as well.

- Only delete 3D scans if you are sure you will never need any dependent planning project again.

NETWORK

⚠ **CAUTION**

Saving SICAT application data in an unreliable or incompatible network file system could result in data loss.

- Together with your network administrator, assure that SICAT application data can be safely stored in the desired network file system.

⚠ **CAUTION**

Using SICAT Suite and the contained SICAT applications together with other devices within a computer network or storage network could result in previously unknown risks for patients, users and other persons.

- Make sure policies are established within your organization to determine, analyze, assess and control risks that are related to your network.

⚠ **CAUTION**

Changes to your network environment could result in new risks. Examples are changes to your network configuration, connection of additional devices or components to your network, disconnection of devices or components from the network and update or upgrade of network devices or components.

- Perform a new network risk analysis after any network changes.

QUALIFICATION OF OPERATING PERSONNEL

⚠ **CAUTION**

Use of software by unqualified personnel could result in incorrect diagnosis and treatment.

- The use of the software is restricted to qualified professionals.

SOFTWARE INSTALLATION

⚠ **CAUTION**

Modifications to the software could result in a software that does not start or work as intended.

1. Do not perform any modification to the installation of the software.
2. Do not delete or modify any of the components contained within the installation directory of the software.

⚠ **CAUTION**

Damaged installation media could result in an installation failure.

- Handle the installation media with care and store it in an appropriate way.

CAUTION

If your system does not meet the system requirements, the software might not start or work as intended.

- Prior to installing the software, check your system for compliance with the minimum software and hardware requirements.

CAUTION

Insufficient privileges could result in a failure of the software installation or update.

- Make sure you have sufficient privileges on your system if you install or update the software.

VISUALIZATION CONDITIONS

CAUTION

Insufficient visualization quality could result in incorrect diagnosis and treatment.

- Prior to using a SICAT application check for sufficient visualization quality, for example by using the SMPTE test pattern.

CAUTION

Insufficient environmental visualization conditions could result in incorrect diagnosis and treatment.

1. Only perform planning if the environmental conditions allow for sufficient visualization quality. For example, check for appropriate lighting.
2. Check for sufficient visualization quality using the SMPTE test pattern.

SAFETY

CAUTION

Security leaks in your information system environment could result in unauthorized access to your patient data and put the privacy or integrity of your patient data at risk.

1. Make sure policies are established within your organization to prevent security threats to your information system environment.
2. Install and run an up-to-date virus scanner.
3. Make sure the pattern files of the virus scanner are updated on a regular basis.

CAUTION

Unauthorized access to your workstation could result in risks to the privacy and integrity of your patient data.

- Limit the access to your workstation to authorized individuals only.

CAUTION

Cyber security problems could result in access to your patient data and impose risks to the privacy and integrity of your patient data.

- If you suspect cyber security related problems with your system, contact SICAT GmbH & Co. KG immediately.

GLOSSARY

3D scan

A 3D scan is a volumetric X-ray image.

ADA

American Dental Association

Application

A SICAT application is an application that is part of SICAT Suite.

FDI

Fédération Dentaire Internationale, World Dental Federation

Navigation bar

The navigation bar in the upper part of SICAT Suite contains the most important icons of SICAT Suite. If a patient record is active, the navigation bar allows you to switch between the patient record and different applications.

Order

An order contains therapeutic appliances.

Patient record

A patient record contains all 3D scans and planning projects that belong to a specific patient. SICAT Suite saves patient records in patient record depots.

Patient record depot

A patient record depot contains patient records. SICAT Suite saves patient record depots in folders on a local file system or a network file system.

Planning project

A planning project consists of planning data of a SICAT application and the corresponding 3D scan.

SICAT ID

A SICAT ID is a user name for SICAT Portal.

SICAT Portal

SICAT Portal is a web page, where you can order therapeutic appliances from SICAT among other things.

SMPTE

Society of Motion Picture and Television Engineers

Study

A study consists of a 3D scan and the corresponding planning projects.

Therapeutic appliance

A therapeutic appliance is an intraoral device.

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The information in this document was correct at the time of release, but are subject to change without prior notice.

PRINT INFORMATION

Material number: 6497809

Change number: 119 597

EXPLANATION OF LABELING SYMBOLS

- Caution! Consult accompanying documents.

- Consult instructions for use.

- Manufacturer

- Batch code

This is an example for a batch code:

S1020130921

1 2 3 4 5

1 Beginning of the batch code

2 Product version in the format AB (10 means V1.0)

3 Manufacturing year

4 Manufacturing month

5 Manufacturing day

ARTIKELNR.: 6497809
ÄNDERUNGSNR.: 119 597

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