

SOMATOM

Instructions for Use – Cleaning and disinfection

syngo CT VB20

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Legend



Indicates a hint

Is used to provide information on how to avoid operating errors or information emphasizing important details



Indicates the solution of a problem

Is used to provide troubleshooting information or answers to frequently asked questions



Indicates a list item



Indicates a prerequisite

Is used for a condition that has to be fulfilled before starting a particular operation



Indicates a one-step operation



Indicates steps within operating sequences

Italic

Is used for references and for table or figure titles



Is used to identify a link to related information as well as previous or next steps

Bold

Is used to identify window titles, menu items, function names, buttons, and keys, for example, the Save button

Orange

Is used to emphasize **particularly** important sections of the text

Courier

Is used for on-screen output of the system including code-related elements or commands

Courier

Is used to identify inputs you need to provide

Menu > Menu Item

Is used for the navigation to a certain submenu entry

<variable>

Is used to identify variables or parameters, for example, within a string

 **CAUTION**

CAUTION

Used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury or material damage.

CAUTION consists of the following elements:

- Information about the nature of a hazardous situation
- Consequences of not avoiding a hazardous situation
- Methods of avoiding a hazardous situation

WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

WARNING consists of the following elements:

- Information about the nature of a hazardous situation
 - Consequences of not avoiding a hazardous situation
 - Methods of avoiding a hazardous situation
-





Legend

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1 Introduction

This Instructions for Use document provides detailed information about cleaning and disinfecting your CT system, system components and accessories.

Scope of the Instructions for Use This Instruction for Use document applies to the following CT systems:

- SOMATOM Definition AS
- SOMATOM Definition Edge
- SOMATOM Confidence
- SOMATOM Edge Plus
- SOMATOM Definition Flash
- SOMATOM Drive
- SOMATOM Force



1 Introduction

2 Safety information

Follow the safety information in this document.



To ensure the safe use of your product and the safety of people, you must adhere to the safety information provided in the Instructions for Use. In addition, also observe your country-specific regulations and guidelines.

Safety information is located in the safety section and repeated within context where a hazardous situation may occur. To make sure safety information is understood, always read it in context of the situation.

WARNING and CAUTION are highlighted in the text:

| | |
|----------------|--|
| WARNING | Indicates a hazardous situation which, if not avoided, could result in death or serious injury. |
| CAUTION | Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. |

WARNING and CAUTION have the same structure. The following example CAUTION instructs you how to read a WARNING or a CAUTION:

CAUTION


This text describes the hazardous situation: Images with lossy compression are used for diagnosis!

This text describes the hazard: Wrong diagnosis.

- ◆ **This text describes how to avoid the hazardous situation:**
 - Always verify your evaluation results with the original DICOM images (first reader duty).
 - ◆ Never use lossy ...

2 Safety information

General safety information For the secure operation of your medical device, it is the responsibility of the system owner to ensure that each person who operates the system reads and understands the provided Instructions for Use.

 **WARNING**

Not observing the Instructions for Use and the safety information of the medical device and the equipment!

Injury to the patient or personnel, and damage to the equipment.

- ◆ Always observe the Instructions for Use of the particular units used. This includes the labels applied on the equipment as well as the Instructions for Use documents.
- ◆ Always use this Instructions for Use document in conjunction with all Instructions for Use documents provided.
- ◆ Follow the safety instructions and safety signs.
- ◆ For references purposes, store the Instructions for Use near your workplace.

Electronic Instructions for Use are provided on your CT system and on the workplace.

Specific safety information This subsection lists safety information for your accessories or system components.



Always refer to the corresponding workflow description, if applicable.

Safety information for cleaning or disinfection of the equipment

CAUTION

Damaged or unhealthy skin comes into contact with the surface of the medical device and its equipment!

Injury to the patient or the personnel (Bio hazard).

- ◆ Make sure that the surfaces of the medical device and its equipment only come into contact with undamaged, healthy skin.
- ◆ Make sure that measures are taken to protect damaged or unhealthy skin if contact cannot be avoided.

CAUTION

Insufficient cleaning and disinfection of the equipment!

Infection risk for the patient or the personnel (bio hazard).

- ◆ Always clean and disinfect the equipment after use. Follow the instructions for cleaning and disinfecting.

Check if system components or accessories are worn out to ensure proper cleaning and disinfection. Replace worn out components or accessories immediately.

Make sure that the table and the accessories are cleaned and covered, for example, with paper or medical drapes.

2 Safety information

CAUTION

Using improper cleaning agents and disinfectants!

Injury to the cleaning personnel (allergic reaction or allergic shock) and damage to the equipment.

- ◆ Follow the cleaning and disinfecting instructions of the Instructions for Use.

Do not use unsuitable cleaning agents and disinfectants.

Follow the instructions of the cleaning and disinfectant manufacturer and follow their dosage instructions.

WARNING

Liquids or food and drinks in the vicinity of medical equipment!

Injury to the patient or personnel, and malfunction of or damage to the equipment.

- ◆ Shut down the system immediately if liquid is detected within the equipment.
- ◆ Contact, and leave all repairs to, the Customer Service at Siemens Healthineers.
- ◆ Clean the equipment with a damp, not wet, cloth.
- ◆ Wring the cloth out well and make sure that no liquids get onto, or into, the equipment.
- ◆ After cleaning, make sure that no water remains on the floor to avoid slipping.
- ◆ Keep food and drinks away from the equipment.

Safety information for cleaning and disinfection of the monitor and the monitor ceiling system

WARNING

Cleaning and disinfection of parts of the system while the system is connected to the power supply!

Electric shock due to possible contact with line voltage.

- ◆ Always switch the system off at the main power switch before cleaning and disinfecting.

WARNING

Cleaning of the monitor housing during operation!

Electric shock

- ◆ Only clean the housing when the monitor is switched off.

WARNING

Liquids in the monitor ceiling system, power supply cables are laid inside!

Electric shock

- ◆ Make sure that no liquids, for example cleaning fluids, can get into the interior of the monitor ceiling system.

CAUTION

Dirt and liquid in the monitor arm of the ceiling mounted monitor!

Infection possible

- ◆ Clean the monitor and monitor arm after use.

2 Safety information

3 Cleaning and disinfection

After each examination, immediately clean and disinfect all surfaces that may have come into contact with the patient, the personnel, or body fluids.

In addition, if the system remained unused for a longer period of time, for example, overnight, you must clean and disinfect these surfaces again before the next examination.

The following instructions are valid for the CT system components and accessories.

CAUTION

Damaged or unhealthy skin comes into contact with the surface of the medical device and its equipment!

Injury to the patient or the personnel (Bio hazard).

- ◆ Make sure that the surfaces of the medical device and its equipment only come into contact with undamaged, healthy skin.
- ◆ Make sure that measures are taken to protect damaged or unhealthy skin if contact cannot be avoided.

CAUTION

Using improper cleaning agents and disinfectants!

Injury to the cleaning personnel (allergic reaction or allergic shock) and damage to the equipment.

- ◆ Follow the cleaning and disinfecting instructions of the Instructions for Use.

Do not use unsuitable cleaning agents and disinfectants.

Follow the instructions of the cleaning and disinfectant manufacturer and follow their dosage instructions.

3 Cleaning and disinfection

CAUTION

Insufficient cleaning and disinfection of the equipment!

Infection risk for the patient or the personnel (bio hazard).

◆ Always clean and disinfect the equipment after use. Follow the instructions for cleaning and disinfecting.

Check if system components or accessories are worn out to ensure proper cleaning and disinfection. Replace worn out components or accessories immediately.

Make sure that the table and the accessories are cleaned and covered, for example, with paper or medical drapes.



Components that may not be part of your system configuration are nevertheless described in the latest version of the Instructions for Use. The availability of these components depends on your purchase contract.



For hygiene reasons, Siemens Healthineers recommends to always cover both the mattress and positioning aids with medical drapes.

Follow the cleaning and disinfection instructions provided in this Instructions for Use document:

- (→ Page 20 *Active ingredient classes*)
- (→ Page 22 *Examples of cleaning products and disinfectants which should not be used*)
- (→ Page 26 *General hints for cleaning and disinfection*)
- (→ Page 28 *Manual cleaning and disinfection*)

3.1 Cleaning and disinfection agents

For information on compatible active ingredient classes of cleaning agents and disinfectants, refer to (→ Page 20 *Active ingredient classes*).

CAUTION

Using improper cleaning agents and disinfectants!

Injury to the cleaning personnel (allergic reaction or allergic shock) and damage to the equipment.

- ◆ Follow the cleaning and disinfecting instructions of the Instructions for Use.

Do not use unsuitable cleaning agents and disinfectants.

Follow the instructions of the cleaning and disinfectant manufacturer and follow their dosage instructions.

It is recommended to use a non-protein fixing disinfectant based on peroxide compounds with proven cleaning efficacy that is certified by the relevant national authorities, for example, EPA (Environmental Protection Agency in the U.S.) or VAH (Verbund für Angewandte Hygiene e. V. in Germany).

The cleaning and disinfection instructions for surfaces of CT products have been validated using the following materials:

- Disinfectant wipes ECOLAB Incidin OxyWipe S
- Disinfectant cleaners ECOLAB Incidin OxyFoam S, ECOLAB Incidin Active and BODE Chemie Dismozon Plus
- Lint-free wipes
- ECOLAB Eltra for combined cleaning and disinfection in a washing machine
- Potable water at room temperature

3 Cleaning and disinfection



For cleaning and disinfection of the CT system, patient tables and accessories, only use liquid solutions of commercially available surfactant-based disinfectants that only contain compatible active ingredients. (→ Page 20 *Active ingredient classes*)

3.1.1 Active ingredient classes

The active ingredient classes listed in the compatibility matrix in this section provide an overview of the chemicals that are compatible or incompatible with the surfaces of the unit to be cleaned. The results of the compatibility tests were generated using representative products and specific test methods.

Although process-chemical manufacturers are using the same base-active ingredient for many of the commercially available disinfectants, these products often differ in adjuvants or additives that frequently are unnamed or confidential.

In addition, product instructions for use recommend a variety of parameters, such as concentration, procedure, contact time, and others.

Consequently, incompatibilities cannot be completely ruled out when using these generic classes of active ingredients.

| Compatible | Not compatible |
|---|---|
| pH-neutral cleaning agents / household dishwashing liquid | Surgical spirit |
| Quaternary compounds | Alcohol solutions ≥ 70 % alcohol by volume (ABV) |
| Peroxide compounds* | Pyridine derivatives |
| | Aldehydes |
| | Phenol derivatives |
| | Organic acids |
| | Guanidine derivatives |

| Compatible | Not compatible |
|------------|----------------------|
| | Chlorine derivatives |
| | Alkylamines |

*pH value \geq 5



Some cleaning agents or disinfectants may cause discoloration of some surfaces. This does not impact proper functioning.

CAUTION

Using improper cleaning agents and disinfectants!

Injury to the cleaning personnel (allergic reaction or allergic shock) and damage to the equipment.

- ◆ Follow the cleaning and disinfecting instructions of the Instructions for Use.

Do not use unsuitable cleaning agents and disinfectants.

Follow the instructions of the cleaning and disinfectant manufacturer and follow their dosage instructions.



To avoid material damage or surface discoloration, do not use active ingredient classes that are not compatible with the surfaces of the CT system.



Safety-data sheets provided by the manufacturer of the cleaning and disinfection product provide information on the used active ingredient, pH value, and relevant safety information.

3 Cleaning and disinfection



Disinfectants may contain substances that are hazardous to health. The concentration of such substances in the air must not exceed the legally defined limit.

To ensure safe use, always follow the instructions provided by the manufacturer of the cleaning and disinfection product.



Do not use a cleaning and disinfection product in spray form:

- Sprays can enter the equipment and damage electrical components.

3.1.2 Examples of cleaning products and disinfectants which should not be used

The following cleaning products and disinfectants may cause damage to the equipment and must not be used:

- Abrasive cleaners
- Organic solvents such as acetone, stain removers, or petroleum spirits
- Products that release ammonia. Ammonia has a corrosive effect.
- Products that contain silicone. Silicone decays over time and can form sticky deposits that interfere with electrical contacts.
- Disinfectants containing hypochlorites

3.2 Preparing for cleaning and disinfection

Before you start cleaning and disinfection, you need to prepare the system components, protect yourself and prepare the equipment required for cleaning and disinfecting.

To avoid personal injury and damage to the equipment, carefully follow the cleaning and disinfection instructions provided.



For information on compatible active ingredient classes, refer to (→ Page 20 *Active ingredient classes*).



WARNING

Liquids or food and drinks in the vicinity of medical equipment!

Injury to the patient or personnel, and malfunction of or damage to the equipment.

- ◆ Shut down the system immediately if liquid is detected within the equipment.
- ◆ Contact, and leave all repairs to, the Customer Service at Siemens Healthineers.
- ◆ Clean the equipment with a damp, not wet, cloth.
- ◆ Wring the cloth out well and make sure that no liquids get onto, or into, the equipment.
- ◆ After cleaning, make sure that no water remains on the floor to avoid slipping.
- ◆ Keep food and drinks away from the equipment.

3.2.1 Preparing system components for cleaning and disinfection



For more information on the proper use of a specific system component, refer to the corresponding sections in the Instructions for Use of your CT system.

3 Cleaning and disinfection

WARNING

Cleaning and disinfection of parts of the system while the system is connected to the power supply!

Electric shock due to possible contact with line voltage.

- ◆ Always switch the system off at the main power switch before cleaning and disinfecting.

WARNING

Liquids in the monitor ceiling system, power supply cables are laid inside!

Electric shock

- ◆ Make sure that no liquids, for example cleaning fluids, can get into the interior of the monitor ceiling system.

CAUTION

Dirt and liquid in the monitor arm of the ceiling mounted monitor!

Infection possible

- ◆ Clean the monitor and monitor arm after use.

- 1 Before cleaning and disinfecting, switch off your system, or switch to standby mode.
- 2 To clean the touch screen while the CT system is still running, switch the display into cleaning mode.



For more information on the proper use of a specific component, refer to the corresponding sections in the Instructions for Use of your CT system.

- 3 If available, use protective covers for sockets and other electrical connectors.

- 4 Check the components for damage. In case of material damage to any parts of the system, notify Siemens Healthineers Customer Service.
- 5 Ensure that all surfaces, crevices and grooves are accessible.
- 6 Move all mobile parts into a position where all parts can be easily reached, for example, monitor ceiling systems, or injector arms.
- 7 If there are any plugged-in parts, disconnect them before cleaning and disinfection.
- 8 Remove all detachable parts of the equipment, for example, table extensions, head holder, ECG cables.
- 9 Separately clean and disinfect detached parts.

3.2.2 Preparing the equipment for cleaning and disinfection

It is recommended to use a non-protein fixing disinfectant based on peroxide compounds with proven cleaning efficacy that is certified by the relevant national authorities, for example, EPA (Environmental Protection Agency in the U.S.) or VAH (Verbund für Angewandte Hygiene e. V. in Germany).



Use only compatible active ingredient classes for cleaning and disinfection.

For information on compatible active ingredient classes for cleaning and disinfection, refer to (→ Page 20 *Active ingredient classes*).

✓ Cleaning personnel has put on protective equipment, such as chemical-resistant gloves, a water-repellent protective apron, a face protection mask or goggles and a mask.

1 Prepare the cleaning and disinfection solution.

Always adhere to the cleaning and disinfection product manufacturer's Instructions for Use.



You can also use ready-to-use cleaning and disinfectant wipes.

3 Cleaning and disinfection

- 2 Use lint-free wipes and tap water (potable water at room temperature) for cleaning and disinfection.

3.3 General cleaning and disinfection procedures

After each examination, immediately clean and disinfect all surfaces that may have come into contact with the patient, personnel, or body fluids.



In addition, if the system remained unused for a longer period of time, for example, overnight, you must clean and disinfect these surfaces again before the next examination.

3.3.1 General hints for cleaning and disinfection

To avoid personal injury and damage to the equipment, carefully follow the cleaning and disinfection instructions provided.



For information on compatible active ingredient classes, refer to (→ Page 20 *Active ingredient classes*).

WARNING

Liquids or food and drinks in the vicinity of medical equipment!

Injury to the patient or personnel, and malfunction of or damage to the equipment.

- ◆ Shut down the system immediately if liquid is detected within the equipment.
- ◆ Contact, and leave all repairs to, the Customer Service at Siemens Healthineers.
- ◆ Clean the equipment with a damp, not wet, cloth.
- ◆ Wring the cloth out well and make sure that no liquids get onto, or into, the equipment.
- ◆ After cleaning, make sure that no water remains on the floor to avoid slipping.
- ◆ Keep food and drinks away from the equipment.

- 1 Use commercially available cleaning and disinfectant solutions.
- 2 Follow the instructions provided by the manufacturer of the cleaning and disinfection product.

3 Cleaning and disinfection

- 3 Strictly adhere to the following requirements for cleaning and disinfection:
- Do not mix together different cleaning and disinfection products.
 - Ensure that all surfaces, crevices, and grooves of the system are accessible for cleaning and disinfection.
 - Do not insert any objects into areas that are difficult to reach.
 - Always use a damp wipe for cleaning and disinfection.
 - Do not pour or spray any fluids onto surfaces.
 - Do not immerse objects in water or any fluids.
 - Do not rinse.
 - Ensure that no liquids seep into the openings of the system, for example, air openings or gaps between covers.
 - Do not use hard or sharp objects, for example, knives or tweezers to remove residue.
 - Do not touch or wipe electrical contacts or outlets. Before cleaning and disinfecting, cover electrical contacts, if possible.
 - Always work from top to bottom (top down) and from clean to dirty areas.
 - Only use wipes if they leave a continuous liquid film on the surface.
 - After removing blood or other body fluids, immediately discard the used wipe.
 - Always dispose of used wipes according to the regulations of your facility.
 - Before the rooms can be re-entered or used after cleaning and disinfection, all floors must be completely dry.

3.3.2 Manual cleaning and disinfection

The following instructions for manual cleaning and disinfection are applicable for the below listed CT system components.

For additional information regarding specific components, refer to (→ Page 31 *Additional information about cleaning and disinfecting CT system components*).

- Gantry
- Touch Panel
- Patient table
- Mattress
- Positioning aids
- Monitor
- Monitor ceiling system



For cleaning and disinfecting specific system components, refer to the corresponding sections in the Instructions for Use of your CT system.

Manually cleaning system components

- 1 Thoroughly wipe all surfaces with sufficiently saturated cleaning wipes.



Do not wipe affixed Velcro surfaces.

- 2 Ensure that all surfaces, crevices, and grooves are accessible during the cleaning and disinfecting process and are completely moistened.
- 3 Carefully wipe plugs and connectors with sufficiently saturated cleaning wipes.



Do not touch electrical contacts.

- 4 Check all parts and surfaces for cleanliness.
If soiling is still visible, repeat the cleaning steps above.

3 Cleaning and disinfection

5 To remove cleaner residue, moisten wipes with sufficient water and wipe down the cleaned surfaces.

Manually disinfecting system components

1 Thoroughly wipe all surfaces with sufficiently saturated disinfection wipes.



Do not wipe affixed Velcro surfaces.

2 Ensure that all surfaces, crevices, and grooves are accessible during the disinfection process and are completely moistened.

3 Carefully wipe plugs and connectors with sufficiently saturated disinfection wipes.



Do not touch electrical contacts.

4 Ensure that all surfaces remain exposed to the disinfectant for the exposure time required by the disinfectant manufacturer.

5 To remove disinfectant residue, moisten wipes with sufficient water and wipe down the disinfected surfaces.

6 Let all surfaces dry completely before use.

3.3.3 Combined cleaning and disinfection in the washing machine

Fabric accessories, such as covers for gel cushions, straps, and belts, can be washed and disinfected in one cycle in the washing machine.

1 Follow the instructions of the disinfectant manufacturer regarding the amount of disinfectant needed for a given amount of laundry.

2 Add the disinfectant cleaner and start the appropriate program of the washing machine with a minimum time of 35 minutes and a minimum temperature of 60 °C.

- 3 Let the fabric accessories dry completely at room temperature before use.

3.4 Additional information about cleaning and disinfecting CT system components

The following instructions for manual cleaning and disinfection are applicable for the below listed CT system components.

- Touch Panel
- Patient table
- Mattress
- Positioning aids
- Monitor
- Monitor ceiling system

 **CAUTION**

Using improper cleaning agents and disinfectants!

Injury to the cleaning personnel (allergic reaction or allergic shock) and damage to the equipment.

- ◆ Follow the cleaning and disinfecting instructions of the Instructions for Use.

Do not use unsuitable cleaning agents and disinfectants.

Follow the instructions of the cleaning and disinfectant manufacturer and follow their dosage instructions.

3 Cleaning and disinfection

CAUTION

Insufficient cleaning and disinfection of the equipment!

Infection risk for the patient or the personnel (bio hazard).

◆ Always clean and disinfect the equipment after use. Follow the instructions for cleaning and disinfecting.

Check if system components or accessories are worn out to ensure proper cleaning and disinfection. Replace worn out components or accessories immediately.

Make sure that the table and the accessories are cleaned and covered, for example, with paper or medical drapes.



Components that may not be part of your system configuration are nevertheless described in the latest version of the Instructions for Use. The availability of these components depends on your purchase contract.

Follow the cleaning and disinfection instructions provided in this Instructions for Use document:

- (→ Page 20 *Active ingredient classes*)
- (→ Page 22 *Examples of cleaning products and disinfectants which should not be used*)
- (→ Page 26 *General hints for cleaning and disinfection*)
- (→ Page 28 *Manual cleaning and disinfection*)

3.4.1 Cleaning and disinfecting the Touch Panel

You can clean the screen of the Touch Panel even if it is switched on.

1 On the Touch Panel of your CT system, tap the **Settings** icon to open the **Settings** popover.

2 Choose the **General** tab to activate the **Screen Cleaning Mode**.

In **Screen Cleaning Mode**, a black screen with an unlock area is displayed.

- 3 For cleaning and disinfecting, refer to (→ Page 28 *Manual cleaning and disinfection*).
- 4 After cleaning and disinfecting the touch screen, tap and keep the unlock area pressed until the circular progress bar is fully loaded.



The cleaning mode is deactivated now.

You can restart controlling gantry functions and movement of the patient table using the Touch Panel.



Do not use fibrous materials, such as paper towels, that can scratch the touch screen. Over time, dirt particles and cleaning agents can get trapped into the scratches.



Do not use corrosive agents to clean the touch screen to avoid damage to the surface coating. (→ Page 22 *Examples of cleaning products and disinfectants which should not be used*)

3.4.2 Cleaning and disinfecting the patient table

- 1 If necessary, remove the table top or raise the overlay to remove surface contamination on the patient table.
- 2 Remove all attached components such as osteo-bar phantom, tiltable head holder, mattress, positioning aids and belts and straps.
- 3 Clean and disinfect fabric accessories, such as covers for gel cushions, straps, and belts in the washing machine. (→ Page 30 *Combined cleaning and disinfection in the washing machine*)
- 4 For cleaning and disinfecting, refer to (→ Page 28 *Manual cleaning and disinfection*).



Do not use cleaning agents that contain organic acids for the surgical rail. This can cause a mottled surface.

3 Cleaning and disinfection

3.4.3 Cleaning and disinfecting the tiltable head holder

- 1 Remove the cushion from the head holder.
- 2 Clean and disinfect the surface of the head holder.



Ensure that you can also access areas that are difficult to reach, for example, the hinge of the head holder.



Do not wipe affixed Velcro surfaces.

- 3 Clean and disinfect the cushion from both sides.
- 4 For cleaning and disinfecting, refer to (→ Page 28 *Manual cleaning and disinfection*).

3.4.4 Cleaning and disinfecting the mattress

Although the mattress is water-proof, blood, or colored liquids may leave stains that cannot be removed.

- 1 Clean and disinfect all surfaces of the mattress.
- 2 For cleaning and disinfecting, refer to (→ Page 28 *Manual cleaning and disinfection*).



Do not use surgical spirit for cleaning. The surface material could become wrinkled.



Do not use acidic disinfectants. Surface materials may be affected. Siemens Healthineers recommends to use peroxide-based surfactant disinfectants with a pH value above 5.



For hygiene reasons, Siemens Healthineers recommends covering the mattress with medical drapes after cleaning and disinfecting.

3.4.5 Cleaning and disinfecting positioning aids

A number of accessories, such as positioning aids, is made from foam material.

- 1 Clean and disinfect all surfaces of the positioning aid.
- 2 For cleaning and disinfecting, refer to (→ Page 28 *Manual cleaning and disinfection*).



Do not use surgical spirit for cleaning. The surface material could become wrinkled.



Do not use acidic disinfectants. Surface materials may be affected. Siemens Healthineers recommends to use peroxide-based surfactant disinfectants with a pH value above 5.



For hygiene reasons, Siemens Healthineers recommends covering the positioning aids with medical drapes after cleaning and disinfecting.

3.4.6 Cleaning and disinfecting the monitor and the monitor ceiling system

The monitor screen has a sensitive anti-reflective coating that has to be treated with care.



Do not disinfect the monitor screen.

3 Cleaning and disinfection

WARNING

Cleaning and disinfection of parts of the system while the system is connected to the power supply!

Electric shock due to possible contact with line voltage.

- ◆ Always switch the system off at the main power switch before cleaning and disinfecting.

WARNING

Cleaning of the monitor housing during operation!

Electric shock

- ◆ Only clean the housing when the monitor is switched off.

WARNING

Liquids in the monitor ceiling system, power supply cables are laid inside!

Electric shock

- ◆ Make sure that no liquids, for example cleaning fluids, can get into the interior of the monitor ceiling system.

CAUTION

Dirt and liquid in the monitor arm of the ceiling mounted monitor!

Infection possible

- ◆ Clean the monitor and monitor arm after use.

✓ The monitor is switched off.

- 1 For cleaning and disinfecting the monitor housing as well as the rails and the hinge of the ceiling system, refer to (→ Page 28 *Manual cleaning and disinfection*).
- 2 If any droplets of liquid get onto the monitor screen, immediately wipe them off.



Extended contact with liquids discolors the surface of the monitor screen.

- 3 To protect the sensitive anti-reflective coating of the monitor screen, use a microfiber cloth and, if necessary, an antistatic cleaner for cleaning.



Do not use corrosive agents to clean the monitor screen to avoid damage to the surface coating.

For more information, refer to (→ Page 22 *Examples of cleaning products and disinfectants which should not be used*)

3.4.7 Cleaning phantoms

- 1 To clean the sensitive surface of a phantom, only use a pH-neutral cleaning product.
- 2 After cleaning, completely drain and dry the phantoms.



Only use a pH-neutral cleaning product to clean a phantom.



Do not disinfect phantoms.

3 Cleaning and disinfection



For more information on phantoms for the quality measurement, and additional accessories for the constancy test, refer to the corresponding sections in the Instructions for Use of your CT system.

3.5 Cleaning and disinfection for veterinary use

Veterinary use of the CT system requires that you thoroughly clean and disinfect the patient table and positioning aids.

If the CT system is used for animal patients as well as for human patients, ensure that the used cleaning and disinfection products are approved for the respective use.

For cleaning and disinfecting, refer to (→ Page 28 *Manual cleaning and disinfection*) and to (→ Page 30 *Combined cleaning and disinfection in the washing machine*).

CAUTION

Insufficient cleaning and disinfection of the equipment!

Infection risk for the patient or the personnel (bio hazard).

◆ Always clean and disinfect the equipment after use. Follow the instructions for cleaning and disinfecting.

Check if system components or accessories are worn out to ensure proper cleaning and disinfection. Replace worn out components or accessories immediately.

Make sure that the table and the accessories are cleaned and covered, for example, with paper or medical drapes.

CAUTION

Using of cleaning media not approved for humans!

Allergic reaction or allergic shock.

◆ Always use cleaning media also approved for humans.

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Caution: Federal law restricts this device to sale by or on the order of a physician, dentist, or veterinarian (21 CFR 801.109(b) (1)).

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