Materialise
innovators you can count on

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This document contains general instructions for use for SurgiCase Planner. For detailed instructions please refer to the user manual.

DESCRIPTION

The SurgiCase Planner is a 3D environment software which allows the surgeon to accurately plan a Total Knee Arthroplasty (TKA) based on MRI or X-ray images of the patient. Once the plan is approved in the SurgiCase Planner, Materialise will manufacture patient-specific guides that will be used during the surgery.

INDICATIONS

The SurgiCase Planner software is used for image processing, simulation of surgical interventions and the planning of pre-operational interventions.

The SurgiCase Planner is used to assist in the positioning of total knee replacement components intra-operatively and in guiding the marking of bone before cutting.

CONTRAINDICATIONS

None.

WARNINGS

- The software should be operated by trained personnel, or the output should always be reviewed and approved by a qualified clinician.
- It is the clinician's ultimate obligation to exercise his/her professional judgment in any decision to follow or not follow the treatment plan made using the medical device software.
- TKA guides are to be used by a trained clinician in the performance of surgery.
- Be aware that any patient-specific guides and/or anatomical models derived from a planning created in the software have been manufactured based on MRI/X-ray images of the patient. If the patient's anatomy has changed significantly since the time of the MRI/X-ray images, the guides or models should not be used.

PRECAUTIONS

- It is advised to use the guide or model within 6 months of performing the MRI/X-ray images on which they are based. If the patient's anatomy has changed significantly since the time of the MRI/X-ray images, the guide or model should not be used, even if the time period of 6 months has not expired.

INSTRUCTIONS FOR USE

- Install
  No installation is required to use the SurgiCase Planner. The SurgiCase Planner is a web based application and can be accessed by browsing to the url of the case.
- Start
  To open a case in the SurgiCase Planner, browse to the appropriate case in the Online Ordering System and click the link in the Case Details to open the SurgiCase Planner.

MINIMAL REQUIREMENTS

Browsers
- Browser with WebGL support.
  A list of browsers supporting WebGL can be found here:

  http://en.wikipedia.org/wiki/WebGL#Support

- Cookies support

Operation Systems
- iOS 8.x
- MacOS 10.x
- Windows® 7 Service Pack 1 (SP1) (32-bit or 64-bit)

Internet Connection
  Internet connection should be available

Graphic card
  Please refer to the following list describing black/white lists for graphic cards:

https://www.khronos.org/webgl/wiki/BlacklistsAndWhitelists

RECOMMENDED REQUIREMENTS

Browsers
- Latest version of one of the following browsers:
  - Google Chrome
  - Microsoft Internet Explorer
  - Mozilla Firefox
  - Safari
- Cookies support

Operation Systems
  Latest update of used OS

Internet Connection
  Regular 4G (4Mbps, 20 ms RTT)

Screen resolution
  WXGA or higher

Graphic card
  Please refer to the following list describing black/white lists for graphic cards:

https://www.khronos.org/webgl/wiki/BlacklistsAndWhitelists