

Article

Augmented Reality as a Tool to Guide PSI Placement in Pelvic Tumor Resections

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Supplementary Materials:

Table S1. Details about the hardware and software used for the study .

| HARDWARE/ SOFTWARE | DEVICE OR PROGRAM | COMPANY | PURPOSE |
|-----------------------|---|---|--|
| HARDWARE | Google Pixel 4 XL | Google Inc., CA, USA | AR guidance with a smartphone |
| HARDWARE | HoloLens 2 | Microsoft, Redmond, WA, USA | AR guidance with a head-mounted display |
| HARDWARE | Ultimaker 3 extended 3D printer | Ultimaker B.V., Netherlands | 3D printing of the bone phantom, the PSIs, and the reference frame |
| HARDWARE | Polaris Spectra optical tracking system | NDI, Waterloo, Canada | Navigation for the assessment of PSIs placement |
| SOFTWARE | Unity platform | Unity Software Inc., San Francisco, CA, USA | Build the AR apps |
| SOFTWARE | Vuforia development kit | Parametric Technology Corporation Inc., Boston, MA, USA | Pattern recognition of the AR marker |
| SOFTWARE | 3D Slicer | Free, open-source software (BSD-style license) with no associated company | Navigation for the assessment of PSIs placement |

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|----------|-----------|--|---|
| SOFTWARE | PLUS | Free, open-source library. Supported by the Plus Toolkit Community and PerkLab, Queen's University from 2011 to 2017 | Communication between the optical tracker (Polaris) and the navigation software (3D Slicer) |
| SOFTWARE | Meshmixer | Autodesk, Inc., USA | Design of PSIs and phantom |
| SOFTWARE | Cura | Ultimaker B.V., Netherlands | Generation of the g-codes for 3D printing |
