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## **CYRPA putting the StaticPhantom to the test**

At Cyrpa we make it a point to always take into account the needs of radiotherapy professionals, and therefore launched a new innovative product: The StaticPhantom. This tool allows the operator to control the alignment of their mobile lasers system, no matter the brand of the system.

To understand the advantages of this new device we decided to speak with a radiotherapy professional that participated in a testing of the StaticPhantom. The Hopital Européen Georges Pompidou (HEGP) opened its doors in July 2010 in Paris, France. The Oncology and Radiotherapy service of HEGP is part of the Cancer Center of the hospital. Arnaud Chavigny, technician in physics measurements at the Hopital Européen Georges Pompidou answered some of our questions:

### **Previously, how did you align the lasers in your center?**

- We installed lead beads at the intersection of the mobile lasers planes, as well as in the internal lasers. The scan of the table gave us the coordinates of the beads. We verify at the same occasion the intersection of the planes at the isocenter as well as the superposition in twos. This test allows us to also verify the isocenter radiologically.

### **Was it a simple system?**

- The use was simple and fast, but it is difficult to check the coronal lasers as well as the geometry of the lasers planes (horizontality and perpendicularity).

### **How often did use it?**

- Monthly.

### **What are the advantages of the StaticPhantom in comparison to your previously used method?**

- During the installation it is possible to evaluate the perpendicularity and the alignment of the mobile lasers. It is also possibly to check the position of the coronal lasers.

### **How have you used it?**

- Positioned at the Left/Right/Sagittal intersection of the mobile lasers on the table. The horizontality is adjusted with micrometric screw in order to stall on the coronal lasers. The sagittal laser allows to place the StaticPhantom laterally and its axis to be parallel to the axis of the scanner.

**How has the precision of the StaticPhantom benefited your work?**

- The step that aligns the StaticPhantom brings a real gain of information in regards to the planes in the mobile lasers as well as in the position of the intersection in the five planes.

**How do you insert the StaticPhantom in your quality control routine?**

- Just after control of the movement of the table.

**Would you recommend it to other centers?**

- Yes.

**Do you have any other comments?**

- The StaticPhantom is simple to use and the set up is fast.

*CYRPA would like to thank the team from the Hopital Européen Georges Pompidou for testing the StaticPhantom, and particularly Mr. Chavigny who collaborated with us during this test.*

If you would like to learn more about the range of CYRPA products you can contact us by:

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