



PRESS RELEASE

Nanotechnology adapted for use during cancer treatment contributes to improved patient outcomes.

Antwerp (Belgium), June 7, 2018 - Orfit Industries' polymer science group has harnessed the power of nanotechnology to help improve cancer treatment. Nanor[®] is a new thermoplastic that has been developed to precisely immobilize patients during Radiation Therapy cancer treatment. Precise patient immobilization is critical during Radiation Therapy in order to avoid damaging healthy tissue. With Nanor[®], patient movement is limited resulting in more targeted treatment delivery and the potential for improved patient outcomes.

Nanor[®], a thermoplastic material enhanced with nanoparticles, is the thinnest and strongest material in the world used for immobilization during cancer treatment. The nanoparticles increase the strength of the thermoplastic mask material, which helps limit patient movement while allowing precise targeting of the tumor. Dutch Radiation Therapy Center Instituut Verbeten experienced significantly lower intrafraction movement using Nanor[®] immobilization: a 0.5 mm reduction in margin from 1.5 mm to 1.0 mm.

Because the material is so thin, thanks to the use of nanoparticles, the Nanor[®] mask fits on the patient like a surgical glove. It adapts perfectly to the patient anatomy, contributing to limitation of movement, increased comfort and accurate treatment delivery resulting in improved patient outcomes.

Nanor[®] Thermoplastic is FDA 510(k) cleared and is available as part of the High Precision Patient Immobilization Systems available in North America and worldwide.

Nanor[®] will be on display at the 60th AAPM Annual Meeting, the world's largest program of scientific, educational and professional presentations and exhibits in the medical physics community, taking place in Nashville, TN (July 29 – August 2, 2018).

For more information about Nanor[®] thermoplastic immobilization visit www.orfit.com/nanor

About Orfit

Orfit Industries, a Belgium-based company, uses innovative technologies and polymers to develop and produce the most precise, reliable and innovative thermoplastic materials for medical devices that improve patient treatment and outcomes around the world. Orfit products are available worldwide for cancer patients in Radiation Oncology, orthotic (splinting) materials for patients in Physical Rehabilitation and Prosthetic socket materials used for amputee patients.

Visit www.orfit.com for more information.

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