



## Beaumont Hospital in Royal Oak, Michigan treats its first patient with IBA's Proteus<sup>®</sup>ONE\* Proton Therapy

*The first superconducting compact IMPT system in the US*

**Reston, VA, July 14th, 2017** – IBA (Ion Beam Applications S.A.), the world's leading provider of proton therapy solutions for the treatment of cancer, today announced that the Beaumont Proton Therapy Center in Royal Oak, MI has treated its first patient on IBA's ProteusONE, the industry's only truly compact IMPT Proton Therapy system.

The Beaumont proton therapy facility, a two-story 25,200 square feet building including a lower level, houses the Proton Therapy Center, a 10,000 square foot space which includes the ProteusONE compact proton therapy system, as well as ancillary services.

This is one of IBA's 18 compact ProteusONE single-room system installed or under installation in the world. The ProteusONE single-room treatment system uses Intensity Modulated Proton Therapy, or IMPT. It combines Pencil Beam Scanning with 3-D Cone Beam Computed Technology for real-time imaging during treatment. The cone beam technology was developed in part with researchers at Beaumont.

**Craig Stevens, M.D., Ph.D., chairman, Radiation Oncology, Beaumont Health commented,** "Proton Therapy is an important addition to our suite of advanced cancer treatment tools. The combination of pencil beam scanning with state-of-the-art imaging allows us to spare healthy tissue near a cancer. This will help us reduce side effects for many patients. While proton therapy is not needed for all cancer patients, it is particularly useful for children with brain tumors, and for patients with head and neck tumors as well as lung cancers. It will also allow us to re-treat some cancers that could have otherwise been considered unsalvageable or incurable. As patients live longer after cancer treatment, the ability of proton therapy to reduce side effects will likely become much more important. We need to prove this, of course, with well-designed research studies".

Beaumont's **Radiation Oncology** department is ranked among the nation's best for advanced technology, innovative treatment and research. Advanced radiation treatments developed at Beaumont include adaptive radiation therapy, image-guided radiation therapy, intensity-modulated arc therapy, high-dose rate brachytherapy and hyperthermia therapy.

**Beth Klein, President IBA North America stated** "We are extremely proud to announce that Beaumont successfully treated its first patient within 12 months of installation, bringing this powerful, life changing technology to its patient community in record time. We welcome the Beaumont Health team to the select group of prestigious institutions that offer proton therapy as a part of their advanced treatment options for cancer patients and look forward to collaborating with them on expanding the use of Proton therapy for more cancers.



### About IBA

IBA (Ion Beam Applications S.A.) is a global medical technology company focused on bringing integrated and innovative solutions for the diagnosis and treatment of cancer. The company is the worldwide technology leader in the field of proton therapy, considered to be the most advanced form of radiation therapy available today. IBA's proton therapy solutions are flexible and adaptable, allowing customers to choose from universal full-scale proton therapy centers as well as compact, single room solutions. In addition, IBA also has a radiation dosimetry business and develops particle accelerators for the medical world and industry. Headquartered in Belgium and employing about 1,500 people worldwide, IBA has installed systems across the world.

IBA is listed on the Pan-European stock exchange NYSE EURONEXT (IBA: Reuters IBAB.BR and Bloomberg IBAB.BB).

More information can be found at: <http://www.iba-worldwide.com>

\*Proteus®ONE is the brand name of a configuration of the Proteus®235.

### BEAUMONT HEALTH

Beaumont Health is Michigan's largest health care system, based on inpatient admissions and net patient revenue. A not-for-profit organization, it was formed in 2014 by Beaumont Health System, Botsford Health Care and Oakwood Healthcare to provide patients with the benefit of greater access to extraordinary, compassionate care, no matter where they live in Southeast Michigan. Beaumont Health has total net revenue of \$4.4 billion and consists of eight hospitals with 3,429 beds, 174 outpatient sites, nearly 5,000 physicians, 36,000 employees and 3,500 volunteers. In 2016, Beaumont Health had 177,508 inpatient discharges, 17,536 births and 567,658 emergency visits. For more information, visit [beaumont.org](http://beaumont.org).

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