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약력 사항

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The CyberKnife[®] Robotic Radiosurgery System

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The CyberKnife[®] Robotic Radiosurgery System is a non-invasive alternative to surgery for the treatment of both cancerous and non-cancerous tumors anywhere in the body, including the prostate, lung, brain, spine, liver, pancreas and kidney. CyberKnife[®] is a non-invasive option for patients who have inoperable or surgically complex tumors, or who may be looking for an alternative to surgery. The CyberKnife system's continual image guidance software allows us to deliver high radiation doses with pinpoint accuracy, while automatically correcting for tumor movement. Since radiation beams adjust in real-time to the patient's breathing cycle, there is less damage to surrounding healthy tissue

Potential benefits of the CyberKnife[®] system include:

First, the CyberKnife[®] System uses image guidance software to track and continually adjust treatment for any patient or tumor movement. This sets it far ahead of other similar treatments. It allows patients to breathe normally and relax comfortably during treatment.

Second, some forms of radiosurgery require rigid head-frames that are screwed into the patient's skull to minimize any movement. The CyberKnife[®] System does not require such extreme procedures to keep patients in place, and instead relies on sophisticated tracking software, allowing for a much more comfortable and non-invasive treatment.

Third, unlike some radiosurgery systems, which can only treat tumors in the head, the CyberKnife[®] System has unlimited reach to treat a broad range of tumors throughout the body, including the prostate, lung, brain, spine, liver, pancreas, and kidney.

And finally, the CyberKnife[®] System's treatment accuracy is unrivaled. Its ability to treat tumors with pin-point accuracy is unmatched by other radiation therapy and radiosurgery systems. The CyberKnife[®] System can essentially "paint" the tumor with radiation allowing it to precisely deliver treatment to the tumor alone, sparing surrounding healthy tissue.

