

Tribal Gaming Community Application Briefing: Non-Profit Submission

Tribal Gaming Community Applying To
Ak-Chin Indian Community

Name of the Non-profit Organization
Dignity Health Foundation East Valley

Does the Non-profit Organization have IRS Tax-Exempt Status?

Yes

Contact Information

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Application Priority Areas

Health Care

Title of the Project

Histotripsy A Transformative Advance in Noninvasive Cancer Therapy

Amount Intended to Request

\$150,000

Purpose of the Grant

The purpose of the grant will be to help purchase an innovative technology called Histotripsy. Unlike traditional surgery or radiation, histotripsy is completely non-invasive. It uses focused ultrasound waves to precisely target and destroy diseased tissue without a single incision, without radiation, and without introducing chemotherapy into the body. Imagine a therapy that harnesses sound not scalpels to break apart tumors.

Project Summary

Unlike traditional ablation techniques that rely on heat or freezing, histotripsy harnesses controlled acoustic cavitation micro bubbles that form and collapse with extraordinary precision to liquefy diseased tissue while sparing surrounding structures. This level of accuracy is guided by real-time imaging, allowing clinicians to see treatment effects as they occur and adjust instantly. The result is a therapy that is both highly targeted and remarkably gentle on the patient, significantly reducing procedural risk, recovery time, and overall burden of care. Clinically, histotripsy holds particular promise for patients who are poor candidates for surgery or who face limited options due to tumor location, co-morbidities, or prior treatments. Early applications in liver tumors have demonstrated compelling outcomes, including meaningful tumor destruction with minimal complications and rapid recovery often without the need for hospitalization. Beyond oncology, technology's potential extends to additional solid-organ applications, opening the door to broader use across complex disease states where conventional interventions are constrained. As a platform technology, histotripsy is not simply a new tool, but a fundamentally different way of approaching tissue destruction with safety, precision, and patient-centered outcomes at its core.

Impact on the City of Chandler

Dignity Health has a long history of collaboration with the City of Chandler for services and initiatives that improve the health of Chandler residents. This hospital technology will directly impact every Chandler resident who will visit Chandler Regional Medical Center for specific types of cancer treatments for which this technology is prescribed. Here in Arizona, this advancement is especially meaningful. Our region is home to a diverse population, and Dignity Health has a long-standing relationship with local Native American tribes. We know that liver cancer, including hepatocellular carcinoma (HCC), carries a significant impact across many communities, with Native Americans among those affected at higher rates nationwide.

By bringing histotripsy here to the East Valley, we can ensure that all patients in our region across backgrounds and circumstances have access to the most advanced, compassionate care close to home. Whether a tumor originates from primary liver cancer or has spread from another cancer, histotripsy offers a safer, more effective option. The clinical benefits are profound: 1) No incisions, fewer complications; 2) Faster recovery times; 3) Options for patients who are not candidates for surgery; and 4) Research is advancing rapidly in kidney, prostate, pancreas, and brain cancers, opening the door to treating some of the most difficult diseases we face.

Address of Non-profit Organization the City of Chandler will Send the Tribal Community Grant Payment

1727 W. Frye Road
Suite 230
Chandler, Arizona. 85224

Contact Name for Receipt of Payment

Laurel Vetsch