

# The Jacobs Institute Newsletter

*A Dose of Medical Innovation*

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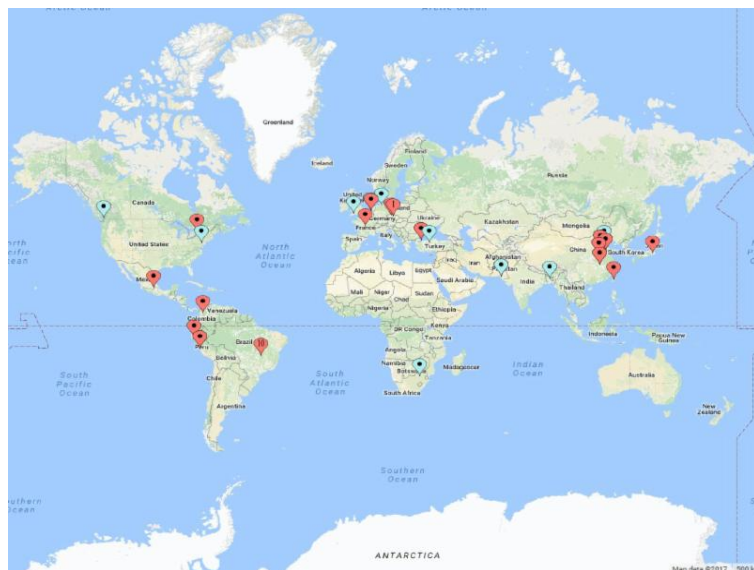
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Where to find the latest developments emerging at the Jacobs Institute in Buffalo, New York.

## Buffalo Draws Visiting Physicians from Around the Globe

### The JI and the GVI Are Destinations for Endovascular Specialists



Buffalo's reputation for expertise in endovascular interventions—minimally invasive procedures performed inside the vascular system to treat diseases of the neuro-, cardio-, and peripheral vascular systems—was known in segments of the medical community for the last two decades. However, since the JI and the Gates Vascular Institute (GVI) opened their doors five years ago, that reputation has only grown. Our city has become a destination for surgeons from around the world wanting to learn from the GVI's vascular surgeons. The JI hosts physicians, assisting with arrangements at the GVI and in Buffalo, to provide a stellar experience.

Whether it is learning about the latest devices used to treat stroke or watching an aneurysm being coiled, the GVI is a prime location for eager surgeons to observe.

While physicians are here, they are staying in Buffalo's hotels and eating at our restaurants, leaving an economic impact, as well. Some stay for a few days, while others stay for a few months.

### **How Many Physicians Visit and From Where?**

**Since 2014, 38 physicians from 17 countries** have come to observe various surgeons at work and to learn about Buffalo's offering—one building that houses the GVI, University at Buffalo's (UB's) Clinical and Translational Research Center, and a non-profit medical device innovation center (JI). They travel to Western New York from within North America and from South America, Africa, Asia, the Middle East, and Europe. Endovascular surgery is not commonplace in some of these countries, so understanding the approach and techniques provide a novel, important experience.

### **What Do They Do During Their Stay?**

Some physicians come on their own and others as groups. They shadow the GVI physicians in the cath lab and operating room and watch weekly 'cath' conferences in which physicians discuss alternative treatment options for complex cases. They also have the opportunity to use the endovascular simulator. Some physician groups participate in more structured programs in which, in addition to observation and simulation, they hear physician lectures and practice cases hands-on on 3D-printed vascular flow models in a simulated cath lab environment. During their stay, physicians also ask learn about the transdisciplinary collaboration fostered by the JI within the building. They see that the catheterization laboratories for cardiac intervention, electrophysiology, neuro intervention, and peripheral vascular intervention are situated on the same floor, clustered together.

### **What Other Impact Does A Physician Visit Have?**

Whether from Japan or Peru, visitors see the value in this purposeful organization, and can bring the idea to their home country. The JI and GVI have hosted international groups that are looking to construct a new hospital and are considering co-locating university and private entities with the hospital in order to encourage collaboration and spur innovation. They want to understand best practices here. Surgeons can witness the result of collaboration: surgeons' ability to consult each other before and after cases, along with calling upon each other in a medical emergency. Some physicians take their learnings and share with colleagues in their home country, potentially leading to improved outcomes there.

### **A Testimonial:**

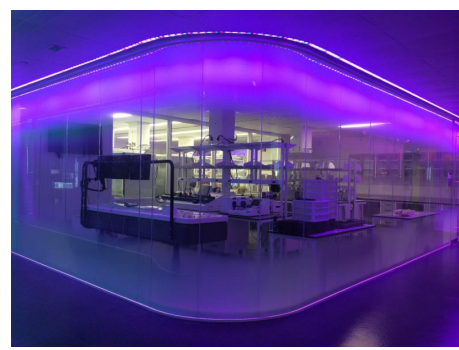
*"I am writing to thank all the faculty, fellows, and staff for helping me during the wonderful time I spent at JI and GVI. You have clearly got a wonderful team. The faculty and fellows were all very humble and always open to discussion. I achieved my goals and am carrying fond memories of the visit." – Muhammad Waqas (Pakistan)*

Physicians visiting Buffalo learn groundbreaking techniques and appreciate the collaborative spirit among physicians at the GVI. It all started with booking a flight to Buffalo. Our focus on clinical collaboration, coupled with world-class vascular expertise, will continue to draw visiting physicians for years to come.

The Jacobs Institute mission is to accelerate the development of next-generation technologies in vascular medicine through collisions of physicians, engineers, entrepreneurs, and industry.

Our vision is to improve the treatment of vascular disease in Western New York and the world, while fostering local economic development, and honoring the memory of Lawrence D. Jacobs, MD.

Located in the heart of the Buffalo Niagara Medical Campus (BNMC) in downtown Buffalo, the Jacobs Institute is positioned between University at Buffalo's Clinical and Translational Research Center (CTRC) and Kaleida Health's Gates Vascular Institute (GVI).



The JI is uniquely positioned to foster collaboration of our key partners. We have the right people in the right place at the right time.

**Come innovate with us.**

Please visit [the JI web site](#)

**Sincerely,**The Jacobs Institute

