

RAYOS CONTRA CANCER

Education | Clinic Development | Research

Education

Our team at Rayos Contra Cancer is extremely excited to be working with a group of talented medical physicists and motivated clinics. Working in collaboration with Radiating Hope, we are in the midst of our first HDR- Brachytherapy Project ECHO curriculum! (pg. 2)

We are also pleased to announce LARRO (Latin American Residents in Radiation Oncology), a new group within RCC that will fuel oncology partnership efforts in Latin America centered on education, research, and clinic development. (pg. 4)

Research

RCC has recently been awarded a special grant from the AMA. This money will go towards establishing medical school chapters of “RCC University”, a schematic that will serve to ignite a passion for global health and the closing of health disparity gaps globally (pg. 1). But that’s not all! RCC is also working with UCSF and MD Anderson Cancer Center on its first multi-institutional global health cancer grant. (pg. 3)

Clinic Development

Rayos Contra Cancer is working with Flexport.org to help our friends at Radiating Hope provide equipment to cancer centers in critical stages of development. Read more about our first successful story with a linear accelerator in La Paz, Bolivia... (pg. 3)

RCC University



Rayos Contra Cancer is delighted to announce that it received a \$10,000 grant award from the American Medical Association's “Accelerating Change in Medical Education” Innovation Grant Program for our RCC University initiative! Through this, we will support our vision of promoting a medical student chapter network focused on telehealth programming and beyond. RCC University will provide an infrastructure, on-boarding curriculum, and guidance longitudinally for the development of each new chapter. The objectives of this initiative are multi-fold: teaching medical students telehealth skills, providing immersive experiences, and promoting systems that will address healthcare disparities in rural and resource- limited settings today and in the future. We hope RCC University can support the development of a generation of future leaders who will use telehealth to **address health disparities in the U.S. and beyond**. Using our expertise in telecommunications, curriculum design, and teaching strategies, RCC University will provide its medical student chapters with resources needed to construct effective educational experiences that target clinician-identified gaps in healthcare practice and delivery. Specifically, we will offer

RCC, FlexPort, and Radiating Hope Partnership

Is it a story of love? Perhaps. In March, RCC Founder Ben Li reached out to Flexport.org based in San Francisco (a non-profit subsidiary of the [recent unicorn](#) Flexport.com), to explore the possibility that they may be able to support our mission to provide sustainable, scalable development efforts for cancer centers worldwide. Two conversations later, Li brought in Radiating Hope to the conversation,

and a trifecta was born. Just in time, Radiating Hope received its largest donation in history from Dr. Ed Hughes, a retiring radiation oncologist at First Dayton Cancer Care in Florida, whose legacy was to help a nation be able to receive the cancer care its



people needed. Dr. Hughes graciously donated all of his RT equipment (including a linear accelerator, CT scanner, TPS, and much more) to a brand new oncology center in La Paz, Bolivia. Through our partnership structure, we will be able to receive, match, and deliver cancer therapy equipment on a larger scale than ever before.

We are ecstatic to share that Hospital Municipal La Portada will use this equipment to begin their first radiotherapy service. Not only did we meet our goal, but we are already planning our next target shipment! More information about the future vision of these efforts and about the mission of Radiating Hope, RCC, and providing equipment to low and middle income countries [here](#).

RCC-UCSF-MDACC Multi-Institutional Grant

In other exciting news, Rayos Contra Cancer is collaborating with the University of California San Francisco and MD Anderson Cancer Center on a large grant that centers around utilizing machine learning to help treat cervical cancer in automated and accelerated fashion. The project centers around 3 primary objectives: 1) To validate and implement automation-assisted contouring for cervical cancer at a high-volume, low-income center, 2) to assess the operational impact of automated planning and contouring, and 3) to report clinical outcomes of 3DCRT cervical cancer treatment at this center. Vital to RCC's contribution is the implementation of ProKnow DS for furthering academic research collaborations, that defeats barriers in global health radiation oncology! We continue to explore more uses with our growing network and resources!

Partnerships Spotlight: FlexPort

RCC believes in a team approach. Rather than reinvent the wheel, why not find the *best in the world* to help us achieve our mission?



RCC has partnered with FlexPort in order to ship **any equipment**, from multi-ton linear accelerators, to brachytherapy after-loaders, to QA machines and immobilization devices and more. Flexport will help us deliver this to low- and middle-income countries around the world, providing the necessary resources for more effective radiation treatment.

FlexPort is a freight forwarding and customs brokerage company that specializes in importing and exporting items by air, ocean, rail and truck. Their workers have experience volunteering around the world, and they formed a non-profit arm of the company, www.flexport.org, to give back to the communities that have touched their hearts. They use technology and data to drive efficient and effective shipping that helps us be more efficient with resources, reduce carbon emissions in the environment, and provide a tremendous (figurative) vehicle for scalability. We are working to establish a donation system by which clinics who are in need of certain technology can be paired with donors looking to provide that resource. This opens the door to many new ways that Rayos Contra Cancer can aid in improving radiation treatment around the world.

Latin American Residents in Radiation Oncology (LARRO)... a sneak preview



This year, we will work to **build more ECHO training programs, reach more clinics, empower more global radiation oncology research and innovation**, and create a **generation of leaders through LARRO**. We also started receiving unsolicited donations (thank you!) in the mail, so we have made a [donation page](#) to make this process easier for you! We treat every dollar responsibly.

Are you interested in helping as an educator? Click whether [Radiation Oncologist](#) or [Medical Physicist](#) and we can notify you with a future opportunity! Radiation Therapist form to come! Interested to host or participate in bilateral exchange? Read more [here](#) (and practice some Spanish)!

Have a question or comment? Reach us at info@rayoscontracancer.org