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**Executive Director:**

Renée L. Cruea, MPA

June 11, 2019

Dear Ms. Keyser and Dr. McCollough,

The Academy's initiative, "The Diagnostic Cockpit of the Future" (DxCP) is an important forward-looking endeavor, initiated by the publication of the report of the Interagency Working Group on Medical Imaging (IWGMI). An Academy-led DxCP Task Force, under the leadership of Mitch Schnall, MD, PhD, is now working to identify meaningful inroads into strategies, projects and initiatives that will culminate in valuable tools to be utilized by the imaging community and beyond.

As a reminder, the mission of the DxCP is to:

*empower precision medicine by bringing together the latest diagnostic sensor technology with advanced artificial intelligence-based computing to better match patients to the best treatments. The Academy is proud to be able to convene stakeholders and experts to outline the pathway of research needed to make the DxCP a reality.*

You can read more about the DxCP [here](#).

As members of this Task Force, we are asking for your assistance. Our goal is not to re-create the wheel, but to determine existing opportunities for the DxCP by facilitating relevant collaborations among multiple government agencies, the Administration, imaging societies and eventually outside of radiology, including pathology.

To begin this process, we must identify and house--in one location--all current efforts within and beyond our community that might be related to developing the necessary components to create the diagnostic cockpit of the future. We want to provide a location where any interested party can identify current efforts and initiatives in this realm.

Specifically, we plan to create a page within the DxCP area of the Academy's website that has your society name, logo, a point of contact and a list of your current initiatives. As an example, if the Office of Science and Technology policy wants to know what our community is doing in the area of AI, they can go to one page and see all efforts taking place in organized radiology.

As a first step, we need your help pinpointing efforts and strategies currently taking place that are related to the collection of de-identified imaging and clinical support data. It need not be specifically for work related to designing the Diagnostic Cockpit of the Future, but should list datasets that include imaging and the related information required to render multi-specialty diagnostic and treatment decisions. We will then organize these datasets so that anyone working on this initiative, broadly or specifically, can go to one location and identify all relevant activities by our member Societies. We are requesting that you send the following information to Allison Rafti at [arrafti@acadrad.org](mailto:arrafti@acadrad.org) as soon as possible:

- A brief description of initiatives related to database collection, including ongoing efforts to identify best practices for imaging databases. If you have a description, news articles or links about this on your website please make sure those are included.
  - Ex: "Working on AI related to interventional radiology." [Include link to work]
- A list of related convenings. These can be future or past meetings. Please include a link to these events, or post-event articles for inclusion.
- A point-of-contact within your society that anyone with questions may directly contact.

The DxCP will continue to build its compendium of information and systems in a broad and generic way, enabling new types of information to be factored in later. We have decided that the DxCP should first focus on issues such as how to interact with data and create a seamless flow of data in and out of data presentation systems. Later, we hope to develop methods to attract additional potential partners. The DxCP will begin with thoroughly integrated test cases, that can be enhanced to deal with the whole, broad spectrum of data input, but first, practical use cases with limited data sets need to be compiled.

We send you appreciation in advance for your participation and contribution to this valuable initiative. If you have any questions at all, please contact the Academy's Executive Director, Renee Cruea, at [rcruea@acadrad.org](mailto:rcruea@acadrad.org).

Sincerely,



Elizabeth A. Krupinski, PhD  
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Emory University  
Academy Board of Directors



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Cc: Dr. John Hazle, Academy Board of Directors

