# A Qualitative Study Examining the Barriers to Pancreatic Cancer Care Coordination between a High-Volume Center and Rural Physicians

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# Introduction & Objectives

- Pancreatic cancer (PC) is the fourth leading cause of cancer deaths in men and women.<sup>1</sup>
- **PC** patients treated at **high-volume centers** (**HVCs**) benefit from specialty services<sup>2,3</sup> that may not be accessible to rural patients, as there is a shortage of high-volume specialists in rural areas.
- ➤ HVCs offer complex treatment planning, advanced surgical and chemo-radiation options, and multidisciplinary teambased care.
- Rural PC patients typically have to go to multiple locations to receive care from different disciplines (e.g. chemotherapy, surgery, etc.).
- ➤ This care fragmentation results in less coordination and contributes to poor outcomes.<sup>4</sup>
- Barriers to coordinating care between rural physicians and HVCs for rural PC patients treated by multiple types of providers are not well-understood.
- The objectives of this exploratory study were to:
- 1. Examine the barriers to **PC** care coordination from the perspective of oncologists treating rural **PC** patients.
- 2. Identify strategies to facilitate rural PC care coordination.

## Methods

- Semi-structured interviews with **PC** specialists (medical, surgical, and radiation oncologists, n=9) at a **HVC** (The Ohio State University) actively treating and co-managing rural **PC** patients.
- Interviews were conducted via Zoom™ video conference.
- Interviews were audio-recorded and transcribed verbatim.
- Using rigorous qualitative methods, two co-authors independently coded the interview transcripts to develop a thematic account of HVC-rural physician care coordination barriers and facilitators.

Poor communication between
 HVCs and rural physicians can hinder the development of a shared understanding of rural
 PC patients' treatment plans.

Patient navigators/coordinators
and data systems to support
communication may help
address these issues.

"I think most of us don't have a good way of letting the rural providers know what the plan is. That's a complaint that, you know, rural providers always have is, 'Wow, you come into an academic center or tertiary center and then you never hear or see the patient back again."

"So if that's something that the navigator is able to do, like two-way communication, establish a link with a rural provider and getting the patient in, getting all the records and getting all the scans in, but also sending back information...If the navigator is able to do that then that would obviously keep that communication open. Make sure that things don't fall through the cracks."

# Results

### Themes Derived from Interviews:

# Coordination Barriers Between Rural and HVC Physicians

- Inadequate transfer of medical record information
- Inefficient telephone communication (e.g., having to go through a phone tree)
- Low-quality imaging and scans provided by rural PC patients or rural physicians lead to <u>redundant testing and scans</u>
- Lack of follow-up conversations between physicians to discuss treatment plans and goals

# **Coordination Facilitators and Suggestions**

- Seminars so HVC and rural physicians can share information about clinical trials
- A <u>virtual, multi-disciplinary tumor board</u> that enables rural and HVC physician communication
- A dedicated care coordinator or <u>patient navigator</u> to help patients schedule visits and review medications
- Use a shared data system to electronically send and receive images and patient records

# **Conclusions & Future Directions**

- Inefficient communication can complicate care coordination between HVCs and rural physicians.
- Specialists suggested a dual-approach may help improve care coordination in this context:
- ➤ Developing better personal relationships with rural physicians to facilitate information-sharing and "closing-the-loop" on patients' treatment plans.
- ➤ Implementing data systems that permit **HVC** and rural physicians to share patients' records across organizations.
- Further studies are needed to understand the role of care coordinators on improving rural **PC** patient outcomes.

References

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