

Telemedicine Radiology Provider Consultation Service After Outpatient Spine Imaging: A Pilot Study

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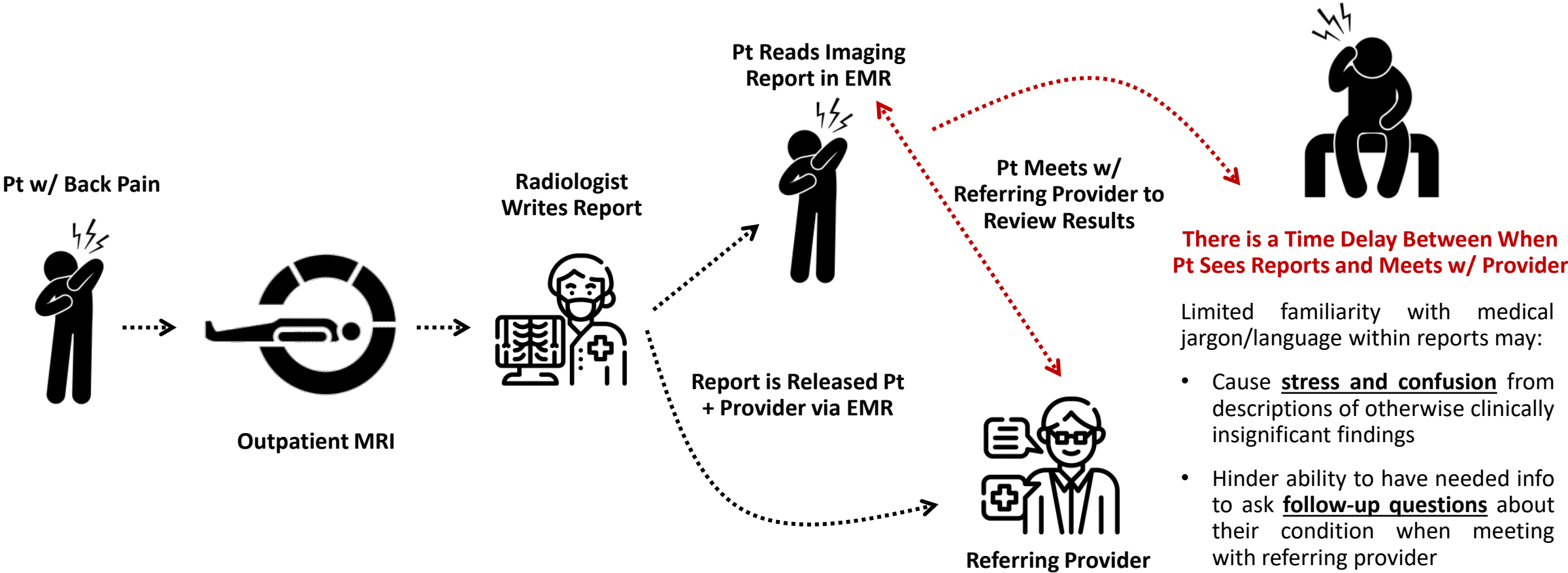
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Disclosures

None

Bringing the Communication Gap



Objectives

Primary Question:

Can a telemedicine radiology consult service **bridge the communication gap** between back pain patients and their outpatient spine imaging reports?

- Previously piloted by Freeman et al. (2023) @ Penn for lung cancer screening CTs

Additional Questions:

- What is the **optimal format** for a consult service?
- What are the **experiences** of the patients with this service?
- What are the **barriers** to implement this service?
- How can we optimize the workflow to **scale-up** this service?

Introducing Our Core Team



Lucinda Lau
Medical Student



Todd Siegal, MD
Neuroradiologist



Khuram Kazmi, MD
Neuroradiologist

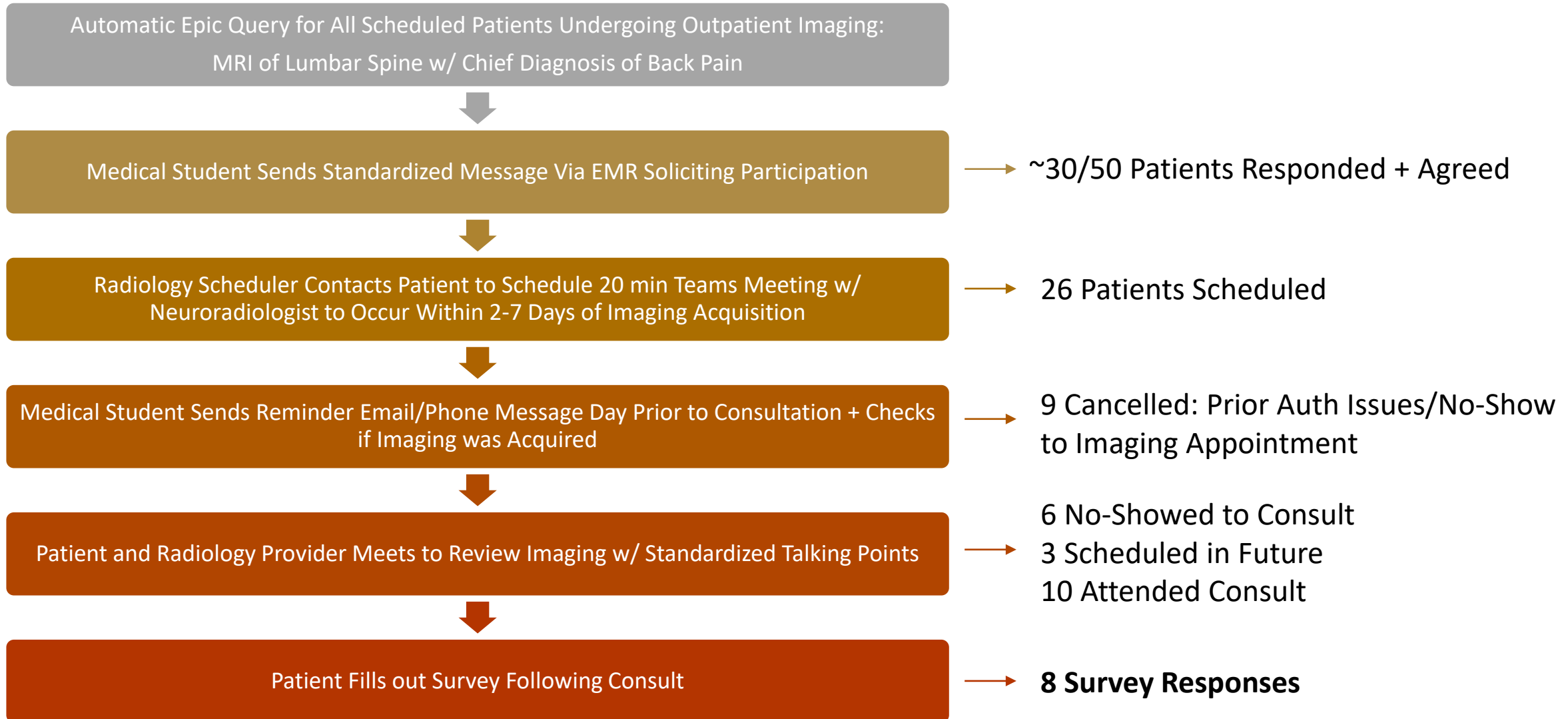


Manisha Koneru, MD
Research Coordinator



Hamza Shaikh, MD
Neuroradiologist

Our Workflow



Results

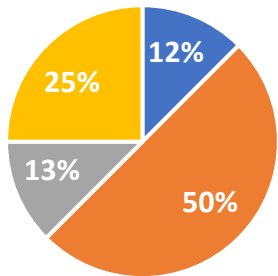
Key Demographics

53 Years
Avg Age

87.5%
Female

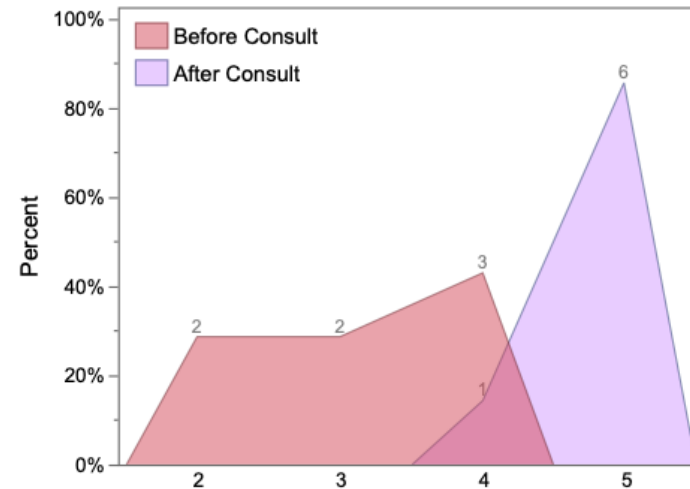
37.5%
BA -Level Edu
HS Diploma

Referring Provider



- Primary Care
- Pain
- PMR
- Ortho

Patient-Reported Understanding of Imaging Findings

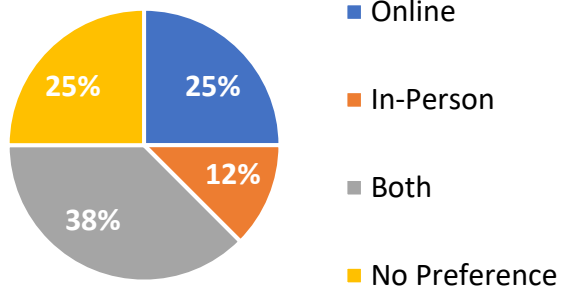


100% of Respondents:

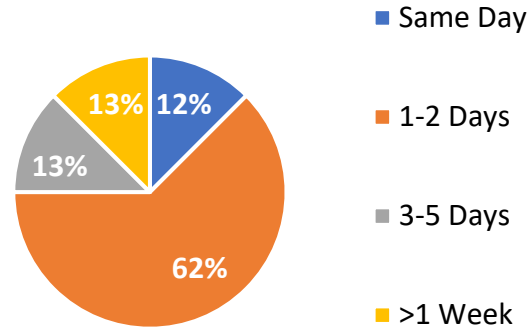
- ✓ Reported **Improved Understanding** of Imaging Findings After Consult
- ✓ Felt the Service was **Helpful**
- ✓ **Would Opt-In** to the Service in the Future
- ✓ Felt that the Radiologist **Addressed Their Concerns**
- ✓ Rated their Experience as a **5/5**

Results

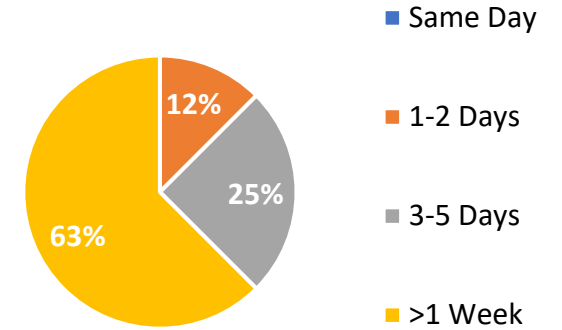
Format Preference



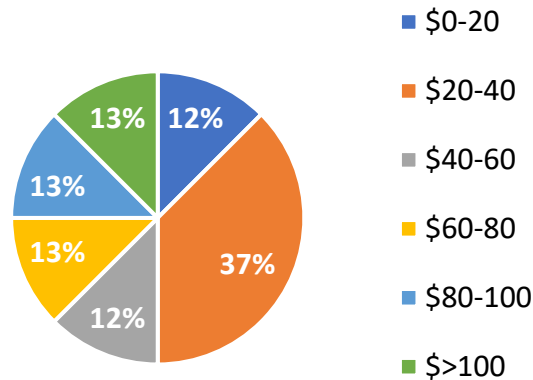
Ideal Time of Consult After Imaging



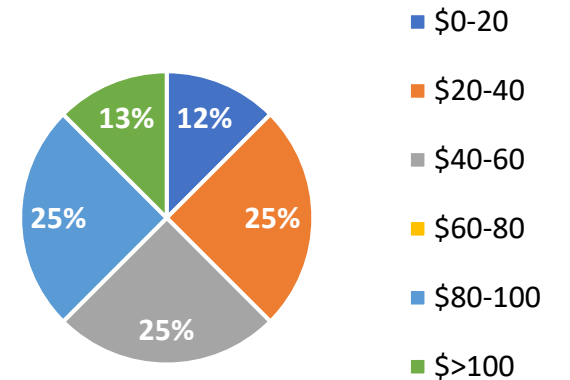
Maximum Time of Consult After Imaging



Ideal Price for Optional Service



Maximum Price for Optional Service



100% Reported the Consult Should Ideally be **30 min Long**

Future Directions

- Overall, **high satisfaction** w/ service

- Telemedicine Format Favored
- 30 min Duration
- Willing to Pay
- Positive Patient-Reported Experiences

- **Areas for Optimization:**

- Automating Screening, Opting-In, Notification, and Scheduling
- Allowing Patients to Manage/Modify via Online Portal

- **Scaling and Commercialization:**

- Out-of-pocket v. Insurance
- Telemedicine Billing Codes
- Optimal, Accessible Meeting Platforms

- **Future Plans:**

- Increase Respondents
- Multicenter Efforts
- Expanding Scope to Other Indications for Outpatient Imaging

Questions?

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