Response to rapidly changing healthcare information regarding COVID-19 with virtual journal club

Kelly Hughes MD\(^1\), Rachel Redfield MD\(^1\), Jetmir Vojnika MD\(^1\), Mark Mallozzi MD\(^1\), R. Bence Jones MD\(^1\), Reem Aoun MD\(^2\), Dianna Cheney-Peters MD\(^2\)

1. TJUH Internal Medicine Residency Program 2. TJUH Division of Hospital Medicine

**Background**

During the COVID-19 pandemic, healthcare providers were subject to **misinformation**. Anxiety and poor data were driving management.

**Causes**

**Messaging** between federal and local governments, popular media, and individual institutions was **inconsistent**.

Keeping up to date with the primary literature was challenging, as research was rapidly expanding.

Educational activities were cancelled, and healthcare workers were isolated.

Many providers were **inexperienced** with data interpretation and time for personal education was limited.

**Intervention**

Virtual twice weekly COVID-19 journal club (JC) created to optimize residency and faculty education regarding COVID-19 management, critical appraisal of new literature, and improve departmental collaboration and connection.

**Results**

Who participated in the COVID-19 Journal Club?

- Faculty 32%
- Resident 52%
- Medical Student 8%
- Other 8%

“COVID-19 JC helped me stay up-to-date with COVID-19 literature”

- Strongly agree 64%
- Agree 28%
- Neutral 8%
- Disagree 0%
- Strongly disagree 0%

“COVID-19 JC helped me feel more connected to colleagues during the pandemic”

- Strongly agree 48%
- Agree 28%
- Neutral 20%
- Disagree 32%

“COVID-19 JC improved my ability to critically appraise methods of a study”

- Strongly agree 24%
- Agree 64%
- Neutral 12%
- Disagree 0%
- Strongly disagree 0%

**Improvement and Future Direction**

- Two different audiences
  - Learning about COVID-19
  - Learning to critically appraise new literature
- Encourage Discussion
  - Poll audience and reduce articles per week
- Maximize Education
  - Involve content experts
- Foster Collaboration
  - Invite Family and Emergency Medicine
- Increase Structure
  - Use PICO format and provide a template