Artificial Intelligence in Pain Medicine

A Panel Discussion

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Moderator

Meet Our Panelists

- **Brian Blaufeux, MD, FAMIA** - Regional CMIO of Northwell Health, with a background in Health Information Technology. Focus on healthcare optimization and informatics.

- **Prof. Carl Borrebaeck, DSc** - Director of CREATE Health, Lund, Sweden, with expertise in immunotechnology, diagnostics, and cancer treatments. Pioneered AI applications in pain management.

- **Theodoros Zanos, PhD** - Head of the Neural and Data Science Lab and Assistant Professor at the Feinstein Institutes for Medical Research, Zucker School of Medicine, Hofstra Northwell.

Pain Medicine & AI: Key Discussion Topics

1. AI's Impact on Pain Medicine

2. AI in Clinical Pain Assessment

3. AI and Patient Data Privacy in Pain Medicine

4. AI-Powered Tools for Pain Management

5. Ethical Considerations in AI and Pain Medicine

6. Future of AI in Pain Medicine

AI's Impact on Pain Medicine

Future Vision:

- Transformative changes AI might bring to pain medicine by 2033.

Highlighting Innovations:

- Pioneering AI solutions with significant impact on pain management.

Human & AI Best Practices:

- Striking the right balance between AI technology and the human element in pain care.

AI in Clinical Pain Assessment

Precision and Objectivity:

- How AI enhances precision and objectivity in pain assessment.

Clinical Applications:

- Real-world examples of AI-driven solutions improving pain assessment.

Overcoming Challenges:

- Primary challenges AI faces in pain assessment and potential solutions.

AI and Patient Data Privacy in Pain Medicine

Ensuring Compliance:

- Utilizing AI to ensure adherence patient privacy regulations in pain medicine.

Data Security Measures:

- Strategies for safeguarding AI tools against data breaches in the context of pain care.

Future Data Protection:

- Anticipating evolving data protection challenges and solutions in pain medicine.

AI-Powered Tools for Pain Management:

Tech Insights:

- Overview of AI integration in pain management tools and applications.

Developmental Challenges:

- Main obstacles and solutions in developing AI-powered pain management tools.

Clinical Impact:

- How AI tools enhance the patient experience and support healthcare providers in pain medicine.

Ethical Considerations in AI and Pain Medicine

Ethical Challenges:

- Addressing dilemmas in the application of AI in pain medicine.

Bias Mitigation:

- Strategies for identifying and rectifying biases in AI tools for pain management.

Informed Patients:

- Ensuring patients' full understanding and consent when using AI-driven pain solutions.

Future of AI in Pain Medicine

AI's Next Frontier:

- Upcoming AI innovations specific to pain medicine.

Emerging Trends:

- Promising AI technologies or trends in the field of pain medicine.

Preparing the Workforce:

- How healthcare professionals can adapt to and harness upcoming AI breakthroughs in pain medicine.

Questions?