

Thank You!

Continuous Learning and Model Updates

Key Summary

- Medical AI must adapt to continuously evolving knowledge
- Concept drift detection and response is key
- Safe and compliant update strategy is necessary
- Automated monitoring and validation system is important

Future Outlook

- Real-time adaptive AI systems
- Continuous improvement through federated learning
- Development of AI regulatory frameworks
- Self-evolving medical AI

References

- Paper: "Continual Learning in Medical Imaging"

- Tools: MLflow, DVC, Evidently AI
 - Standards: FDA's Predetermined Change Control Plan
 - Community: MLOps Community, Healthcare AI Forums
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