If diagnosed early, there are several effective treatment strategies for ARDS. However, more than half of ARDS patients are not identified early enough to receive treatment.

The system integrates a patient’s physiologic signal data, collected from ECG and pulse oximetry records, with clinical data to track evolving cardiovascular and respiratory system physiology in real-time.

The team will also develop an advanced image-processing method that analyzes chest radiographs to aid in ARDS diagnosis.

Clinical decision support system capable of predicting and diagnosing ARDS

- Tracks data in real time
- Integrates clinical and patient data
- Ensures patients receive early treatment

THE TEAM

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THE SOLUTION

THE TECHNOLOGY

THE PROBLEM

Symptoms are not unique to ARDS
No specific test for ARDS
Underlying medical problems can affect diagnosis
Physicians inundated with data