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.

**Symptoms are not unique to ARDS**

**No specific test for ARDS**

**Underlying medical problems can affect diagnosis**

**Physicians inundated with data**

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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.

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