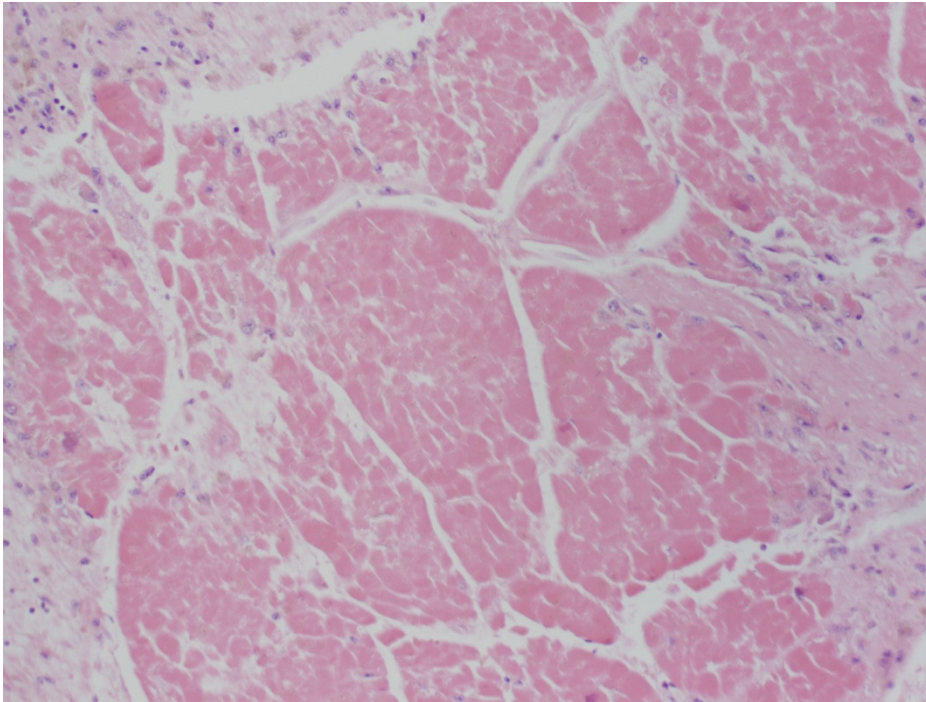


### Supplemental Digital Figure 3a and 3b

Example of the integration of basic science material into the radiology clerkship. Radiology students research a series of questions related to first- and second-year material and present their findings to one another in a seminar format. **Figure 3a** shows a slide of myocardial infarction that the students encountered in their gross anatomy cadaver. They use the slide to answer the question, “What happens to myocytes deprived of oxygen?” **Figure 3b** is a list of possible resources of basic science content that may help them answer the question, “What happens to myocytes deprived of oxygen?”

#### 3a What happens to myocytes deprived of oxygen?



#### 3b References

- DRx Cardiology Lecture 15,16 “Acute Coronary Syndrome” slide 46
- DRx Foundations Lecture 1 “Adaptation, Injury, and Cell Death,” diagrams on slide 24, 35-37
- DRx Cardiology Lecture 2 “Atherosclerosis and Ischemic Heart Disease” slides 50-53
- DRx Cardiology Lecture 9 “Drugs for Ischemia” slides 3-14
- Lilly LS. “Pathophysiology of Heart Disease,” 4th ed. Baltimore: Lippincott, Williams, and Wilkins, 2007, p. 177.