

Welcome to the AI for  
Medicine Specialization

Applications of computer  
vision to medical diagnosis

How to handle class  
imbalance and small  
training sets

Check how well your model  
performs

- ✔

**Video:** Model Testing  
2 min
- ✔

**Video:** Splitting data by  
patient  
1 min
- ✔

**Lab:** Patient Overlap -  
practice  
1h
- ✔

**Video:** Sampling  
2 min
- ✔

**Video:** Ground Truth and  
Consensus Voting  
1 min
- ✔

**Video:** Additional Medical  
Testing  
2 min

Quiz week 1

- ✔

**Practice Quiz:** Week 1 Quiz:  
Disease detection with  
computer vision  
10 questions

Practice multi-class disease  
classification on Chest X-  
rays

- ✔

**Reading:** About the  
automatic grader  
10 min
- 📄

**Programming Assignment:**  
Chest X-Ray Medical  
Diagnosis with Deep  
Learning  
3h
- 📖

**Reading:** How to refresh  
your workspace  
10 min



# About the automatic grader

Hi! These programming assignments are graded programmatically.

For functions that you implement for grading, please do not alter the comment that is above the graded function, for example:

```
# UNQ_C1 (UNIQUE CELL IDENTIFIER, DO NOT EDIT)
```

For any functions that you implement for grading, please comment out any print statements that you may have added as you debugged the code.

If you run into any issues submitting your assignment, please let us know in the AI4M Slack workspace [deeplearningai4m.slack.com](https://deeplearningai4m.slack.com), as we will make course updates based on your feedback.

Good luck!

The deeplearning.ai team

✔ Complete

Go to next item

