# Curriculum Learning for Medical Domain
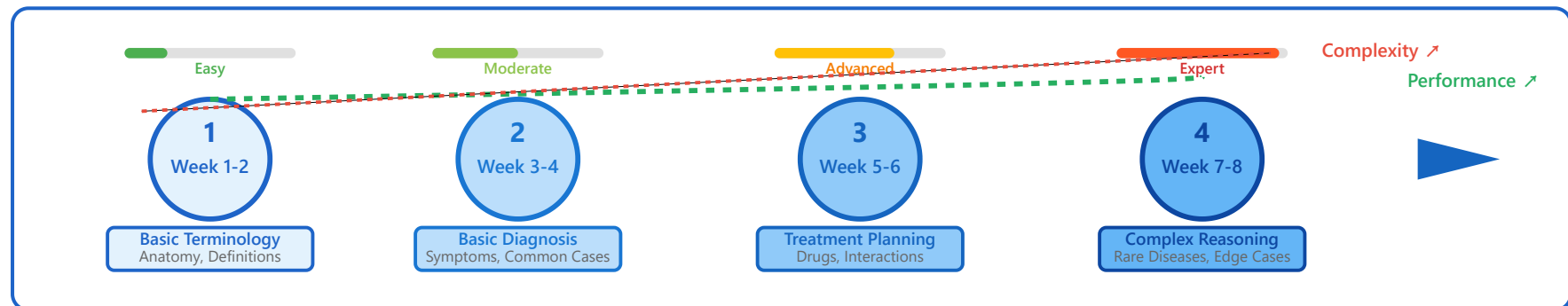
## Easy → Difficult Task Progression
### Hierarchical medical knowledge acquisition

Easy | Moderate | Advanced | Expert | Complexity ↗

Performance ↗

**1**
Week 1-2

**2**
Week 3-4

**3**
Week 5-6

**4**
Week 7-8

**Basic Terminology**
Anatomy, Definitions

**Basic Diagnosis**
Symptoms, Common Cases

**Treatment Planning**
Drugs, Interactions

**Complex Reasoning**
Rare Diseases, Edge Cases

## 🎓 Knowledge Hierarchy

- **Level 1:** Facts (drug names, normal lab values)
- **Level 2:** Concepts (disease mechanisms, physiology)
- **Level 3:** Reasoning (differential diagnosis)
- **Level 4:** Clinical judgment (treatment selection)

## 📈 Performance Benefits

- 10-15% accuracy improvement on complex tasks
- Faster convergence (30% fewer epochs)
- Better knowledge retention

- More stable training dynamics