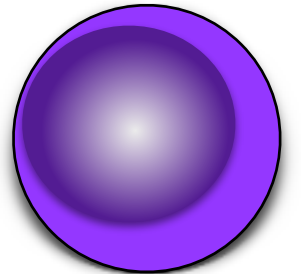


Learning Objectives

At the end of this module, the student will be able to...

1. Describe the basic workup for patients with suspected immunodeficiencies
2. Identify the stages of B cell development
3. Compare and contrast the mechanisms of B cell maturation and activation including V(D)J recombination and class switch recombination
4. Describe the general effector mechanisms of antibodies
5. Compare and contrast the effector function of specific Ig isotypes



Remember: this is a quick high-yield review to refresh your knowledge of immunology basic science. Further details can be found in your [textbook](#).

Module Instructions



*Click through the case and enter text where indicated. This module will take about 45-60 minutes to complete, plus more optional time to review topics in more detail.

*Watch review videos (about 5 min each, linked out) that contain high yield basic science review topics throughout the case (5 videos total)

*(Optional) Review the topics again in text form or link back to the videos upon finishing the case

*Take a post-test (5-10 minutes) to apply the basic science concepts you have reviewed to different, related cases.

*Complete the feedback survey upon completion of this module to help improve it. Please offer your honest and sincere feedback.

Remember: this is a quick high-yield review to refresh your knowledge of immunology basic science. Further details can be found in your [textbook](#).