Abstract  Viral infections of the gastrointestinal tract are an important cause of morbidity and mortality in immunocompromised patients and are also one of the most common causes of childhood illness worldwide. Tissue biopsy of the gastrointestinal tract is a valuable tool for the diagnosis of viral infection. This section addresses common and uncommon viral infections affecting the gastrointestinal tract, including clinical setting, macroscopic and histologic features, differential diagnoses, and useful laboratory tests that can aid in diagnosis.