

Department of Pathology

“Outbreak of *Salmonella* Typhimurium DT104 Gastroenteritis Related to a Holiday Banquet”

Aileen G. Buckler, MD, MPH
Clinical Pathology Resident
VCU Health System



Grand Rounds Presentation
March 14, 2008

Salmonella is one of the most common causes of bacterial gastroenteritis, with approximately 1.4 million infections a year in the United States. Patients typically acquire infection through consumption of food products derived from infected animals or through accidental ingestion of feces, such as through contact with an animal that carries the organism, such as a turtle or calf.

Over the last several years, certain serotypes of *Salmonella* have acquired multi-drug resistance. One of those is *S. Typhimurium* DT104. This talk will discuss a foodborne outbreak of *S. Typhimurium* DT104, including a description of the investigation and how a particular food was implicated. Laboratory diagnosis of *Salmonella* will be reviewed and the Center for Disease Control and Prevention's public health program, PulseNet will be introduced.