Biochemistry of Digestion, Absorption and Detoxification
23/9-7/10/2012

1. **Lecture 1**: Introduction to the Biochemistry of Digestion, absorption and detoxification/ Clinical Cases
2. **Lecture 2**: Digestion and Digestive secretion from mouth and stomach
3. **Lecture 3**: Digestive secretion from pancreas and liver
4. **Lecture 4**: Detoxification in the liver
5. **Lecture 5**: Secretion and absorption in the small intestine
6. **Lecture 6**: Secretion and absorption in the large intestine
7. **Lecture 7**: Discussing Clinical Cases

**Aim and objective of the lectures is to understand:**
1. The biochemistry and mechanism of food digestion
2. The absorption of basic nutrients
3. The detoxification mechanism
4. Manifestations of disorders of the above mechanisms

**References:**
1. "Biochemistry" by Lubert Stryer  
   *(textbook)*
2. "Mark's Basic Medical Biochemistry: A Clinical Approach" by Colleen Smith, Allan D. Marks, Michael Lieberman  
   *(additional reading)*
3. "Textbook of Biochemistry with Clinical Correlations" by T.M.Devlin  
   *(additional reading)*
4. "Lippincott's Illustrated Reviews in Biochemistry" by P.C.Champe, R.A.Harvey and D.R.Ferrier  
   *(additional reading)*
   *(additional reading)*