

Biochemistry Department
JINNAH MEDICAL COLLEGE PESHAWAR
2nd Year MBBS

COURSE CONTENTS FOR CAT-II

CARBOHYDRATE METABOLISM:

Date: 23/12/2011

1. Glycogen storage, glycogenesis.
2. HMP pathway, Regulation & significance of HMP
3. Transamination
4. Urea Cycle
5. Deamination
6. Fate of Urea
7. Clinical significance of Urea
8. Nitrogen balance

ENDOCRINOLOGY:

- Synthesis of thyroid hormone
- Storage & release of thyroid hormone
- Mechanism of action of thyroid hormone
- Functions of thyroid hormone
- Causes of hyper Thyroidism
 - Grave disease
 - Thyroid adenoma
- Sign & symptoms of the hyper Thyroidism
- Causes of Hypo Thyroidism
- Myxedema , cretinism
- **Goiter**
 - Toxic Goiter
 - Non-Toxic Goiter
 - Endemic colloid Goiter
 - Idiopathic Goiter
- Para Thyroid glands
- Chemistry & synthesis of Parathormones
- Functions of Parathormones
- Hyper & Hypo Parathyrodism