

INTERNAL MEDICINE
WL, academic year 2023/2024; 5th study year

Semester IX (winter) 2023/2024:

	Lectures	Seminars	Bedside teaching
60 hours	4	6	50

Initials of Professors:

prof. E. Bandurska-Stankiewicz – EBS (Clinic of Endocrinology, Diabetology and Internal Medicine Wojewódzki Szpital Specjalistyczny Żołnierska 18 Street)

seminar groups – 3 bedside teaching groups – 10

Lectures: (4h) 2h winter, 2h summer all Students

Date lecture	Lecturer	Topic
15.01.2024 9:45-11:15 (2h) seminar room no. 3, Provincial Specialist Hospital (WSS w Olsztynie)	EBS winter	Epidemiology, etiopathogenesis and the classification of diabetes mellitus.
.....(2h)	EBS summer	Thyroid and parathyroid gland diseases.

Seminars: 3 groups (6h) 3h hours winter, 3h hours summer
with Prof. dr hab. n. med. Elżbieta Bandurska-Stankiewicz
 seminar room no. 3, Provincial Specialist Hospital (WSS w Olsztynie)

Gr1 (9:45-12:00 3h): 18.12.2023

Gr2 (9:45-12:00 3h): 11.12.2023

Gr3 9:45-12:00 3h): 19.12.2023

Classes 10 groups (25h winter, 25h summer) 8:30-12.15 (5h)

Clinic of Endocrinology, Diabetology and Internal Medicine Wojewódzki Szpital Specjalistyczny Żołnierska 18 Street

Rotation plan between departments bedside teaching:

	Group 1a, 1b	Group 2a, 2b	Group 3a, 5b	Group 3b
EBS	4.12-8.12.2023	11.12-15.12.2023	18.12-22.12.2023	27.11.2023

	Group 4a, 4b	Group 5a
EBS	08.01-12.01.2024	06.11-10.11.2023

Seminars (6h):

1. Acute and chronic complications of diabetes mellitus. (winter)
2. Pituitary gland diseases and adrenal gland diseases.(summer)
3. Osteoporosis and neuroendocrine tumors. (summer)

Topics of Bedside teaching

Diabetology and endocrinology 50h

Winter:

1. Diabetes – diagnosis; clinical features of DM.
2. Treatment of diabetes: DM1, DM2, gestational diabetes and other types.
3. Diabetic ketoacidosis, hyperglycaemic hyperosmolar state, lactic acidosis.

4. Hypoglycemia - clinical implications and treatment.
 5. Diabetes treatment - pharmacological and non-pharmacological.
 6. Education of a patient with diabetes (information on diabetes, nutritional treatment, exercise, self-control).
 7. Oral drugs used in diabetes: biguanide and, sulphonylurea derivatives, α -glucosidase inhibitors, DPP-4 inhibitors; agonists of GLP-1 receptor.
 8. Metabolic assessment of patient with diabetes – criteria of metabolic control. Assessment of nutritional treatment and physical activity. Planning therapy in diabetic patients.
 9. Treatment with insulin.
 10. Diabetic patient with concomitant diseases. Chronic complications of diabetes: retinopathy, nephropathy, polyneuropathy, cardiovascular complications.
 11. Acute complications of diabetes: hypoglycemia, ketoacidosis and non-ketone hyperosmolar hyperglycemia.
-

Summer

12. Thyroid gland dysfunction
13. Graves' disease - (definition and etiopathogenesis, clinical picture, diagnosis, differentiation, treatment, prognosis). Thyroid orbitopathy. Toxic and non toxic nodular goiter. Thyroid cancer. Thyroiditis.
14. Thyroiditis and thyroid cancers.
15. Hyperaldosteronism, Cushing syndrome, Addison disease.
16. Adrenal gland incidentaloma. Adrenal gland cancer. MEN syndromed. Hypo- and hyperparathyroidism.
17. Pituitary tumors.
18. Hormonally active and inactive pituitary gland tumors.
19. Hormonal disorders of ovaries with women: primary and secondary amenorrhea, polycystic ovary syndrome. Tumors of ovaries. Disorders of perimenopausal and postmenopausal period.
20. Primary and secondary hormonal disorders of testes with men. Neoplasms of testicles. Gynecomastia.
21. Water-electrolyte and acid-base balance disorders: dehydration, overhydration, hypo and hypernatremia, hypo and hyperkalemia, hypo and hypermagnesemia, hypo- and hypercalcemia, hypo- and hyperphosphatemia; acidosis and alkalosis.
22. Metabolic diseases of bone: osteomalacia, osteoporosis – determinants of peak bone mass and density, diagnosis and treatment of osteoporosis, FRAX; primary and secondary osteoporosis; prophylaxis of osteoporosis.

Literature:

1. Differential Diagnosis in Internal Medicine. Siegenthaler W., Thieme - 2011
2. Clinical medicine. Kumar & Clarks Saunders – Elsevier, 2009
3. Davidson's Principles & Practice of Medicine. Boone N.A., Colledge N.R – Editors, Churchill Livingstone – Elsevier, 2010
4. Lee Goldman, MD and Andrew I. Schafer, MD - Goldman's Cecil Medicine. Saunders 2012