COURSE DESCRIPTOR

Nº	Topic	Total, hours	Lectures, hours	Workshops (seminars) , hours	Labs, hours	Self-study of the material, hours	Individual tasks, hours
full-t	ime course form of study						
Modu	ale 1. Syndromological analysis						
1	Methodology of examination of a patient with suspected hereditary pathology. Phenotypical analysis of probang and its family members	8	0	2	0	6	0
2	Clinical-genealogical analysis	8	0	2	0	6	0
3	Making of pedigree. Work with diagnostic catalogs.	10	0	2	0	8	0
4	Syndromological analysis	8	0	2	0	6	0
Modu	ale 2. Cytogenetic methods of diagnosis of congenital and hereditary pathology	•	•				
1	Cytogenetic methods of diagnosis in clinics	8	0	2	0	6	0
2	Chromosomal abnormalities (numerical, structural).	10	0	2	0	8	0
3	Chromosomal polymorphism, chromosomal instability, gonadal mosaicism, single parent disomy	8	0	2	0	6	0
Modu	ale 3. Biochemical methods of diagnosis of congenital and hereditary pathology						
1	Diagnosis of hereditary metabolic diseases	10	0	2	0	8	0
2	Mass screening in the early diagnosis of hereditary pathology.	10	0	2	0	8	0
3	Selective screening programs in diagnosis of hereditary metabolic disorders.	10	0	2	0	8	0
Modu	ale 4. Molecular genetic methods of diagnosis of hereditary pathology		•				
1	Modern methods of DNA diagnosis of hereditary pathology.	10	0	2	0	8	0
2	DNA diagnosis of monogenic and infectious diseases.	8	0	2	0	6	0
Modu	ule 5. Prenatal diagnosis of congenital and hereditary pathology		-	· '			
1	Methods of prenatal diagnosis.	8	0	2	0	6	0
2	Prenatal ultrasound diagnosis of congenital malformations	8	0	2	0	6	0

№	Topic	Total, hours	Lectures, hours	Workshops (seminars) , hours	Labs, hours	Self-study of the material, hours	Individual tasks, hours
3	Biochemical screening programs	8	0	2	0	6	0
4	Invasive methods of prenatal diagnosis. General characteristics. indications and contraindications	8	0	2	0	6	0
5	Methodology of conducting invasive prenatal research methods	10	0	4	0	6	0
Total	(full-time course form of study)	150	0	36	0	114	0
part-	time course form of study						
Modu	ıle 1. Syndromological analysis						
1	Methodology of examination of a patient with suspected hereditary pathology. Phenotypical analysis of probang and its family members	0	0	0	0	0	0
2	Clinical-genealogical analysis	0	0	0	0	0	0
3	Making of pedigree. Work with diagnostic catalogs.	0	0	0	0	0	0
4	Syndromological analysis	0	0	0	0	0	0
Modu	ale 2. Cytogenetic methods of diagnosis of congenital and hereditary pathology						
1	Cytogenetic methods of diagnosis in clinics	0	0	0	0	0	0
2	Chromosomal abnormalities (numerical, structural).	0	0	0	0	0	0
3	Chromosomal polymorphism, chromosomal instability, gonadal mosaicism, single parent disomy	0	0	0	0	0	0
Modu	ale 3. Biochemical methods of diagnosis of congenital and hereditary pathology						
1	Diagnosis of hereditary metabolic diseases	0	0	0	0	0	0
2	Mass screening in the early diagnosis of hereditary pathology.	0	0	0	0	0	0
3	Selective screening programs in diagnosis of hereditary metabolic disorders.	0	0	0	0	0	0
Modu	ile 4. Molecular genetic methods of diagnosis of hereditary pathology	•	•			•	
1	Modern methods of DNA diagnosis of hereditary pathology.	0	0	0	0	0	0
2	DNA diagnosis of monogenic and infectious diseases.	0	0	0	0	0	0

Nº	Торіс	Total, hours	Lectures, hours	Workshops (seminars) , hours	Labs, hours	Self-study of the material, hours	Individual tasks, hours
Module 5. Prenatal diagnosis of congenital and hereditary pathology							
1	Methods of prenatal diagnosis.	0	0	0	0	0	0
2	Prenatal ultrasound diagnosis of congenital malformations	0	0	0	0	0	0
3	Biochemical screening programs	0	0	0	0	0	0
4	Invasive methods of prenatal diagnosis. General characteristics. indications and contraindications	0	0	0	0	0	0
5	Methodology of conducting invasive prenatal research methods	0	0	0	0	0	0
Total (part-time course form of study)		0	0	0	0	0	0