

## **BELAM THYROID STUDY**

### **Tasks and milestones for the fourth quarter (01.04.2000-30.06.2000)**

#### **Task No. 1: The management and administration of the BelAm Thyroid Study**

**Milestone 1:** Weekly meetings with the group leaders to discuss the progress of the Project, and their reflection in the minutes.

**Milestone 2:** Administrative support of cohort establishment to supply access to various informational sources, especially sources of address information.

**Milestone 3:** Coordination between Belarus and U.S. participants with respect to all activities of the Project.

**Milestone 4:** Prepare materials for publication in newspapers and radio broadcasting aimed at Project promotion in mass media.

#### **Task No. 2: The establishment of the cohort of subjects for study**

**Milestone 5:** Work to locate provisional cohort of 12,000 and select at least 2,100 accessible to the Minsk Dispensary and to the mobile team.

**Milestone 6:** Determine the location of geographical areas with great number of people with identified current addresses for possible examination by mobile teams.

**Milestone 7:** Conduct epidemiological interview of the cohort subjects to find out the ways of intensifying of cohort establishment.

**Milestone 8:** Continue creating initial data base of exposed "in utero".

#### **Task No. 3: The invitation and scheduling of subjects for endocrinologic examination**

**Milestone 9:** Preparation of the letters of invitation, software, and procedures for inviting and scheduling subjects for examination.

#### **Task No. 4: The endocrinologic examination of subjects, including subsequent diagnostic procedures leading to the establishment of the final pathologic diagnosis**

**Milestone 10:** Screening up to 2100 subjects in Minsk Dispensary, including the laboratory activity for collecting and processing of blood and urine samples.

**Milestone 11:** Clinical examination and verification of diagnosis in patients with revealed pathology.

**Milestone 12:** Conduct the cytological and pathomorphological aspects of the Project.

**Milestone 13:** Expert support of screening activities.

#### **Task No. 5: Operational Manual and Project Forms**

**Milestone 14:** Updating of the Operational Manual and study forms.

**Milestone 15:** Development of instructions for filling in and data entry of epidemiological, screening, laboratory, and hospitalization forms.

**Milestone 16:** Development of quality assurance manual.

#### **Task No. 6: Data Management**

- Milestone 17:** Design of part of data entry software for epidemiological, screening and hospitalization information.
- Milestone 18:** Data entry of epidemiological, screening, laboratory, and hospitalization forms. Maintain epidemiological, screening, laboratory, and hospitalization data bases.
- Milestone 19:** Transfer to the DCC file server the data, entered in local computers of the screening center and central laboratory, and quality control of these data.
- Milestone 20:** Design software for quality assurance of screening, epidemiological, and laboratory data.
- Milestone 21:** Design a part of the query software for the epidemiological, screening and hospitalization data.
- Milestone 22:** Analysis of the results and preparation some progress and quality assurance reports on the cohort selection, scheduling of screening exams, subject flow through exams and data entry.
- Milestone 23:** Design of image processing procedures, and data base of thyroid images.
- Milestone 24:** Set up DB of epidemiologica information, completion of initial abstract form (morbidity) for subjects undergone examination.

#### **Task No. 7: The estimation of individual thyroid doses for members of the cohort**

- Milestone 25:** Conduct personal interviews for all subjects screened in the Project. Quality control of interview.
- Milestone 26:** Enter to the data base information from the interviews. Quality control of data entry.
- Milestone 27:** Estimate reliability of answers for 100 subjects through comparison of the results of initial and repeated interviews. Complete preparation of unique Belarus-Ukraine self-interview form and instruction for interviewer how to conduct initial interview.
- Milestone 28:** Calculate I-131 concentration and exposure doses by scenaria for SRP-68-01 and DP-5 instruments to conduct the second stage of comparison of results obtained by Belarus, Ukrainian, and Moscow dosimetry groups
- Milestone 29:** Continue creation of administrative-territorial reference book (including software for data entry and updating in reference book). Provide entry of additional information to the DB of direct measurements of thyroid dose for Mogilev oblast.
- Milestone 30:** Calculate age-dependent calibration factors for SRP-68-01 collimator detector. Design software for modeling of effect from contamination of the body and clothes to the results of thyroid radiometry