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Академія медичних наук
України

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№	Дата /Date	<i>March 30, 1999</i>
На №		
від:		

Mr. Barrett Fountos,
Office of International
Health Programs,
U.S. Department of Energy
Facsimile#: (301)903-1413
Telephone#:(301)903-6740

Dear Barry,

We send you our Progress Report and other relevant documents. Please use them and give me your comments.

Sincerely your,
Peter Vitte



Progress Report

Office of international Health Programs (EH-63), Department of Energy

Title of Project: "RADIATION RISK ASSESSMENT OF CATARACT DEVELOPMENT IN A DOSE-DEFINED COHORT OF WORKERS INVOLVED IN THE CHERNOBYL ACCIDENT"

Short report of the third funding period

Principal Investigator: Yuri I Kundiev,

Contact Person and Co-investigator: Peter N. Vitte

Period covered by this report: 1 October 1998 – 31 March 1999

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I. Summary of Work

The Funding Arrangement between the Department of Energy of the United States of America and the Institute of Occupational Health, Academy of Medical Sciences of Ukraine for support of the U.S.-Ukraine Cataract Study was signed on August 1997. Duration of entire project period from 10.01.97 to 12.31.01. The General Goal of this four-year investigation is to study a 12,000 subject cohort of the Liquidator population.

II. Milestones and Deliverables Accomplished during the Reporting Period

Milestones were included in the Annual Work Proposal. All the milestones were fulfilled during the reporting period. A short summary of the results is presented in the following sub-sections.

A.

The goals of the work outlined in this years proposal (10.01.98 - 03.31.99) are to:

- 1) Continue the data acquisition and eye examinations of the 3000 subjects (Liquidators).
- 2) Input the data from the epidemiological questionnaires as they are generated.
- 3) Analyze the acquired data for completeness and compliance.
- 4) Continue transport of the data into the epidemiological database.
- 5) Continually monitor program progress at the 9 active sites.
- 6) Participate in preparation of the initial list of Liquidator recruits for the second year of the study.

7) Program assessment

B.

**Table 1. Summary of the cohort study during the period
October 1, 1997 to March 31, 1999.**

Region	From October 1, 1997 to October 1, 1998		From October 1, 1998 to March 31, 1999	
	Total database received from the NCRM	Examined at the sites and in the Institute	Total database received from the NCRM	Examined at the sites and in the Institute
Kharkiv	481	180	51	207
Poltava	196	189	95	81
Zaporizja	46	-	25	34
Donetsk	477	397	18	27
Dnipropetrovsk	2414	2145	3686* +12	3698
Kiev	1685	1289	607	316
Atomic workers	1200	1200	405	372
Total	6499	5400	4899	2421

* these
Liquidators were
included without
mail response.

III. Other relevant information

The principal US investigator, B.V. Worgul, traveled twice to Kiev during the period 10/01/98 - 31/03/99. The purposes of the trips were to meet with the primary team, discuss logistics for accelerating procedures to allow us to get back on schedule and to plan the addition of other sites in the program.

We included in the cohort those Liquidators who were among of the potential candidates from the State Chernobyl Registry (SCR) of Ukraine with preliminary estimated doses but who failed to respond to the initial mailings. The advantages of approaching those individuals are a reduction in the biased "enrichment" of the cohort while at the same time increasing the recruitment rate.

During the reporting period the Ophthalmologists-Investigators were brought to the Institute and the members of the project team visited the sites.

When we submitted our present funding proposal we were under the impression that the case control study planned begin this year was eliminated. Prof. B. Worgul has since informed us that it will in fact begin. Although we did not budget for it this year, we are initiating the study. Dr. Vitte visited NYC for the express purpose of solidifying the planned logistics and the define the needs to begin the case control study. It is important for DOE to anticipate that in the next grant cycle we will have to increase our funding request by approximately 25% in order to accommodate this new effort. Had we known

that the project would be undertaken this year we would be requested the necessary support in the present proposal.

There were no obstacles or unexpected costs in our portion of the project.

IV. Publications and Preprints

Worgul, B.V., Kundiev, Y., Likhtarev, I., Medvedovsky, C.P., Sergienko, N., Wegener, A., Parkhomenko, G., Chumak, V., Ruban, A., Vitte, P., and Shore, R. and Anspaugh, L. UACOS- The Ukrainian/American Chernobyl Ocular Study. Proceedings of the NATO ARW "Ocular Radiation Risk Assessment in Populations Exposed to Environmental Radiation Contamination" Eds. B. V. Worgul, Y. Kundiev, A. K. Junk and P. Vitte.

Vitte, P., Kundiev, Y., The experience of surveys for an Epidemiological database of different occupational groups of rural workers in Ukraine. Proceedings of the NATO ARW "Ocular Radiation Risk Assessment in Populations Exposed to Environmental Radiation Contamination" Eds. B. V. Worgul, Y. Kundiev, A. K. Junk and P. Vitte.

Signatures:

Prof. Yuri I Kundiev

Dr. Peter N. Vitte