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STUDY THREE
EFFECTS OF BIOPHARM STRESS RELEASE ANTIOX
ON THE HEALTH OF CHILDREN AFTER
THE CHERNOBYL NUCLEAR ACCIDENT

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First let us express our heartfelt gratitude to BIOPHARMS USA for the gift to the people of The Soviet Union and the children of Belarus of one million tablets of Stress Release-Antiox Enzymes tablets to be given to our patients for relief of radiation sickness. We especially want to thank Dr. James Fahey M.D. Phd for working in our hospital to the very great benefit of our children.

INTRODUCTION. THE WORLDS INCREASINGLY UNFAVORABLE ECOLOGICAL CONDITIONS WERE COMPLICATED FURTHER BY THE 1986 CHERNOBYL NUCLEAR ACCIDENT. CONTENTS OF STRONTIUM AND PLATINUM RADIONUCLEIDS IN THE HUMAN BODY HAVE INCREASED 2.5 TO 5 TIMES. UP TO 3 PER CENT OF THE REPUBLIC'S POPULATION HAVE INCREASED CONTENTS OF CESIUM .. BETWEEN 25 AND 37 PER CENT OF CHILDREN HAVE NITRATE PRESENCE IN THEIR BODIES 2 TO 3 TIMES HIGHER THAN PERMISSIBLE LEVELS. AN EXCESS OF LEAD IS EVIDENCED IN 57.5 TO 66.8 PER CENT OF THE POPULATION.

THE UNUSUALLY STRESSFUL ECOLOGICAL CONDITIONS RESULTING FROM THE CHERNOBYL ACCIDENT CALL FOR A RIGOROUS AND OPEN MINDED SEARCH FOR REMEDIES CAPABLE OF PROTECTING AND STRENGTHENING THE HUMAN BODY UNDER UNRELENTING ASSAULT ONE FORMULATION WAS PRODUCED BY BIOPHARM CORPORATION USA IN HAWAII. THE PRODUCT, STRESS RELEASE/ANTIOX, IS MADE ENTIRELY OF ORGANICALLY GROWN WHEAT SPROUTS THAT HAVE BEEN SHOWN TO ENHANCE THE BODY'S PRODUCTION OF THE ANTI-OXIDANT ENZYMES SUPEROXIDE DISMUTASE, CATALASE, GLUTATHIONE PEROXIDASE AND METHIONINE REDUCTASE. THEORIZING THAT INCREASED ANTI-OXIDANT ACTIVITY MIGHT HELP THE BODY DEFEND ITSELF AGAINST HIGH LEVELS OF RADIATION AND OTHER ADVERSE ECOLOGICAL CONDITIONS, THE INVESTIGATORS DEvised THE FOLLOWING STUDY TO ASSESS THE EFFECT OF STRESS RELEASE ON HUMAN NEUROLOGICAL, CARDIO-VASCULAR, IMMUNE, ANTI-OXIDANT AND BLOOD CIRCULATION SYSTEMS.

SUBJECTS. THE EXPERIMENTAL GROUP CONSISTED OF 351 CHILDREN AND TEENAGERS (aged 6 to 17) ALL OF WHOM RESIDE IN THE YELSK AND NAROVLYA DISTRICTS AROUND GOMEL. THESE AREAS HAVE CESIUM CONTAMINATION AT THE RATE OF 7 TO 25 CI PER SQ. KM. THE CONTROL GROUP CONSISTED OF 45 CHILDREN LIVING IN THE SAME AREA AND HAVING SIMILAR LIVING CONDITIONS.

METHOD. SUBJECTS IN THE EXPERIMENTAL GROUP WERE ADMINISTERED STRESS RELEASE/ANTIOX AS FOLLOWS: FOR THE FIRST TWO WEEKS, 20 TABLETS DAILY, TAKEN IN THE MORNING BEFORE THE FIRST MEAL. AFTER THE FIRST TWO WEEKS, 10 TABLETS DAILY TAKEN AT THE SAME TIME OF DAY FOR THREE MONTHS. THROUGHOUT THE

COURSE OF THE STUDY, SUBJECTS DRANK 6 GLASSES OF WATER DAILY. SUBJECTS IN THE CONTROL GROUP RECEIVED NO STRESS RELEASE/ ANTIOX.

1. CESIUM CONTAMINATION. INCORPORATION CESIUM CONTENTS SHOWED MORE ACTIVE DYNAMICS IN THE EXPERIMENTAL GROUP THAN IN THE CONTROL GROUP. A DECREASE OF 50 PER CENT OR MORE IN CESIUM ENDOGENIC CONTENTS WAS REGISTERED WITH 63 PER CENT OF THOSE WHO HAD TAKEN STRESS RELEASE/ANTIOX AND WITH ONLY 23.7 PER CENT OF THOSE WHO DID NOT. THIS DIFFERENCE IS OF MARKED SCIENTIFIC AND HUMANISTIC INTEREST, AND WARRANTS ADDITIONAL STUDY OF THE EFFECTS OF STRESS RELEASE/ANTIOX IN DIMINISHING CESIUM CONTAMINATION.

2. IMMUNOMODULATION. BLOOD ANALYSIS REVEALED IMPROVEMENTS IN THE IMMUNE FUNCTIONS OF SUBJECTS IN THE EXPERIMENTAL GROUP. SPECIFICALLY, SUBJECTS WHO TOOK STRESS RELEASE/ANTIOX SHOWED A NORMALIZATION OF T-L YMPHOCYTE CONTENTS IN IN THE PERIPHERIC BLOOD, AN INCREASE IN THEIR SUBPOPULATION QUANTITIES (T-HELPERS, T-SUPPRESSORS AND T-ACTIVE CELLS), AND A NORMALIZATION OF HUMORAL IMMUNITY. DIFFERENCES BETWEEN THE EXPERIMENTAL GROUP AND CONTROL GROUP WERE STATISTICALLY RELIABLE.

3. ANTI-OXIDANT ACTIVITY. SUBJECTS WHO TOOK STRESS RELEASE/ANTIOX SHOWED AN INCREASE IN THE ACTIVITY OF THE KEY ENZYMES OF THE ANTIOXIDANT SYSTEM (SUPEROXIDE DISMUTASE AND GLUTATHIONE PEROXIDASE) AND OF THE RESTORED GLUTATHIONE. AN INCREASE OF 50 PER CENT OR GREATER WAS OBSERVED IN 87.8 PER CENT OF SUBJECTS IN THE EXPERIMENTAL GROUP, BUT ONLY IN 19.5 PER CENT OF SUBJECTS IN THE CONTROL GROUP.

4. CARDIO-VASCULAR SYSTEM. IN THE EXPERIMENTAL GROUP, A MODERATELY POSITIVE IMPROVEMENT WAS NOTED IN REHABILITATION PROCESSES IN VENTRICULAR MIOCARDIA OF CHILDREN HAVING REPOLARIZATION FAILURES. THIS RESULT IS NOT STATISTICALLY RELIABLE, BUT IS VERY ENCOURAGING AND WARRANTS FURTHER STUDY.

5. NEUROLOGICAL INDICATIONS. ATTENTION SPANS IMPROVED IN 70.4 PER CENT OF CHILDREN IN THE EXPERIMENTAL GROUP AS COMPARED WITH 30 PER CENT IN THE CONTROL GROUP. THIS DIFFERENCE IS STATISTICALLY SIGNIFICANT.

6. SIDE EFFECTS. NO SIDE EFFECTS OR NEGATIVE CLINICAL EFFECTS WERE OBSERVED IN CONNECTION WITH THE USE OF STRESS RELEASE/ANTIOX.

DISCUSSION. THE DATA OBTAINED AS A RESULT OF THIS STUDY DEMONSTRATE A POSITIVE EFFECT OF STRESS RELEASE/ ANTIOX ON CERTAIN VARIABLES PERTAINING TO THE MAJOR ADAPTATION SYSTEMS OF CHILDREN AND TEENAGERS WHO ARE LIVING UNDER UNFAVORABLE ECOLOGICAL CONDITIONS FOLLOWING THE CHERNOBYL NUCLEAR ACCIDENT. SPECIFICALLY, SUBJECTS TAKING STRESS RELEASE/ANTIOX SHOWED DIMINISHED CESIUM CONTAMINATION, IMPROVED IMMUNE FUNCTION, AND INCREASED ATTENTION SPAN. A STATISTICALLY NOT SIGNIFICANT BUT ENCOURAGING IMPROVEMENT IN CARDIO- VASCULAR FUNCTION WAS ALSO OBSERVED.

RESULTS OF THIS STUDY SUPPORT THE USE OF STRESS RELEASE/ANTIOX AS A DIETARY SUPPLEMENT FOR PERSONS LIVING UNDER ADVERSE ECOLOGICAL CONDITIONS SUCH AS THOSE RESULTING FROM THE CHERNOBYL NUCLEAR ACCIDENT.

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