

COPY

UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF TEXAS  
DALLAS DIVISION

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| U. S. DISTRICT COURT<br>NORTHERN DISTRICT OF TEXAS<br><b>FILED</b><br><b>DEC 8 1992</b><br>NANCY DOHERTY, CLERK<br>By _____ Deputy |
|------------------------------------------------------------------------------------------------------------------------------------|

LOIS THOMPSON on behalf of and as next friend to TAYLOR KEONDRA DIXON, ZACHERY X. WILLIAMS, CALVIN A. THOMPSON and PRENTISS LAVELL MULLINS,

Plaintiffs,

PEOPLE UNITED FOR A BETTER OAKLAND, on behalf of its members; DENVER ACTION FOR A BETTER COMMUNITY, on behalf of its members; NEW YORK CITY COALITION TO END LEAD POISONING, on behalf of its members; ROBIN GOURLEY on behalf of and as next friend to BRYAN ALAN GOURLEY, WESLEY KYLE GOURLEY, BRIDGET MICHELLE GOURLEY, LINDA DANIELLE GOURLEY and BETSEY IRENE GOURLEY; TEARRAH ROBERSON on behalf of and as guardian ad litem to JUAN WILKINS; and MARY MARIE ROBERSON on behalf of and as guardian ad litem to ASHARD MOORE, JASON ROLLINS, ASHEA ROBERSON, and NASHEIKA ROBERSON,

Proposed Plaintiff-Intervenors,

v.

BURTON F. RAIFORD, in his capacity as Commissioner of the Texas Department of Human Services,

The UNITED STATES OF AMERICA,

Defendants,

uLOUIS W. SULLIVAN, in his capacity as Secretary of the United States Department of Health and Human Services,

Proposed Additional Defendant.

CASE NO. 3-92 CV 1539-R

Civil Action

Class Action

CORRECTED DECLARATION OF J. ROUTH REIGART, M.D.



CORRECTED DECLARATION OF J. ROUTT REIGART, M.D.

I, J. Routt Reigart, M.D., declare as follows:

1. The matters stated herein are true of my own personal knowledge. If called as a witness, I would competently and truthfully testify consistent with the following.

2. I am an Associate Professor of Pediatrics at the Medical University of South Carolina in Charleston, South Carolina. Attached hereto as Exhibit 1 is a copy of my abbreviated curriculum vitae.

3. Since July 1991, I have served as the Chairman of the American Academy of Pediatrics' Committee on Environmental Health ("Committee"). This Committee is reviewing the Academy's policy on lead testing and treatment, which is currently contained in a five-year-old document entitled Statement of Childhood Lead Poisoning. We are currently reviewing this document because recent information about lead toxicity in children requires revised recommendations to pediatricians. I also serve as Chairman of the Childhood Lead Poisoning Prevention Advisory Committee of the Centers for Disease Control ("CDC").

PROFESSIONAL BACKGROUND

4. As a pediatrician I have devoted much of my professional career to the study, screening and treatment of pediatric lead poisoning. For over 20 years I have been researching, writing, teaching and lecturing on lead poisoning issues. In my medical practice I have also screened and treated several thousand children who have been lead poisoned.

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5. I have authored and co-authored numerous articles and papers dealing specifically with pediatric lead poisoning issues, including: Chisolm, Currant, Finbert Hopkins, Lin-Fu, Piomelli, Reigart, Houk, "Increased Lead Absorption and Lead Poisoning in Young Children. A Statement by the Centers for Disease Control," J. Pediatrics, 87:824 (1975); Penny, Reigart, Loadhold, Taylor, "Variability in Response to Lead Exposure: Demonstration of a Genetic Influence," (Abstract), Pediatric Research, 11:438 (1977); Whitlock, Reigart, Priester, "Lead Poisoning in South Carolina," SCMA Journal, 73:378 (1977); Reigart, "Lead Poisoning," Hospital Medicine, 17:161 16J, 16N, 16P: August, 1981; Reigart, "Future Directions," Childhood Lead Poisoning — Current Perspectives (1988) and Reigart, "Recommendations of the American Academy of Pediatrics on Lead Screening in Children," Proceedings of the First National Conference on Laboratory Issues in Childhood Lead Poisoning Prevention, October 31 - November 2, 1991.

6. Last month I addressed members of the Annual Academy of Pediatrics at its annual conference in San Francisco on the issue of "Childhood Lead Poisoning." This month I lectured at the University of Medicine & Dentistry of New Jersey, School of Osteopathic Medicine, in Atlantic City, New Jersey, on the topic of "Pediatric Lead Poison Prevention Continuing Education for Physicians," and in December I will facilitate a panel at the National Childhood Lead Poisoning Prevention Conference discussing "Medical Management Issues."

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7. I serve on numerous committees dedicated to pediatric environmental health issues, including: Chairman, Committee on Environmental Health, American Academy of Pediatrics; Member, Lead Poisoning Education Task Force, Presidents Council on Environmental Quality; Chairman, Centers for Disease Control Childhood Lead-Based Paint Poisoning Advisory Committee; and as a Member of the Pew Charitable Trust's Advisory Committee on Lead Poisoning. In the past I have served on the Centers for Disease Control Childhood Lead-Based Paint Poisoning ad hoc Advisory Committee and worked with the Environmental Protection Agency as a Medical Consultant for Acute Pesticide Poisoning.

#### LEAD POISONING AND MEDICAID ELIGIBLE CHILDREN

8. Speaking as a pediatrician, I am someone who has actually worked for many years in lead poisoning prevention out in the field. The situation in my city, Charleston, South Carolina, illustrates the enormity of the lead poisoning problem in young children. In 1972, when we began screening in Charleston, we were detecting that somewhere in the neighborhood of 39% of our children had blood lead levels greater than 40 µg/dL. By 1975, I was following over 1,250 children with lead levels greater than 30 µg/dL. Today the Centers for Disease Control has decreased the level of concern to 10 µg/dL, so that there are many more children out there who are potentially injured by dangerous blood lead levels.

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9. Although the American Academy of Pediatrics' revised report is not yet completed, one recommendation that will certainly come from the Committee is that there is a need for more testing. Lead poisoning cannot be detected absent a blood test; a series of questions cannot verify blood lead levels. Nor will a series of questions guarantee that a child will be appropriately classified as low risk. In other words, a child can answer all risk-identifying questions in the negative and still be poisoned.

10. Pediatricians obviously want to test for lead using a test that will accurately measure blood lead at the levels of concern announced by the CDC ( $\geq 10 \mu\text{g/dL}$ .) The erythrocyte protoporphyrin or "EP" test (which really does not measure blood lead levels at all) is simply incapable of accurately predicting lead levels below  $40 \mu\text{g/dL}$ .

11. In my opinion, as a pediatrician with extensive experience in lead poisoning prevention, Medicaid eligible children represent a high risk group since the environment of low-income children often contains numerous sources of lead exposure.

12. As noted in the CDC's October 1991 statement, "[a]lthough all children are at risk for lead toxicity, poor and minority children are disproportionately affected. Lead exposure is at once a by-product of poverty and a contributor to the cycle that perpetuates and deepens the state of being poor." U.S. Dep't of Health & Human Services ("HHS"), Public Health Service, Centers for Disease Control, Preventing Lead Poisoning in Young Children, 12 (Oct. 1991) ("CDC Statement").

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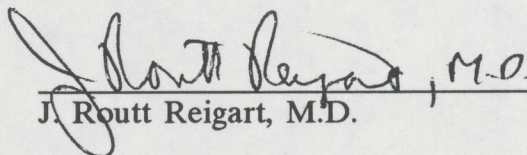
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13. The CDC Statement concludes, and I concur, that accurate measurement of blood lead levels can only be determined through the use of blood lead tests. Id. at 41. Accordingly, if the lead testing program is to be effective and if children are to be saved from lead poisoning's devastating effects, it is essential that HHS immediately mandate that States replace the EP test with the blood lead test as the primary lead screening method.

I declare under the penalty of perjury that the foregoing is true and correct, this 5th day of December, 1992 in Charleston, South Carolina.

  
J. Routt Reigart, M.D.



MEDICAL UNIVERSITY OF SOUTH CAROLINA  
COLLEGE OF MEDICINE  
ABBREVIATED CURRICULUM VITAE

NAME Reigart J. Routt DATE OF BIRTH 01/28/43  
Last First Middle Initial

SOCIAL SECURITY NO.: 212-44-1620

CITIZENSHIP AND/OR VISA STATUS: US CITIZEN

OFFICE ADDRESS: MUSC Childrens Hospital TELEPHONE: 792-5345  
171 Ashley Avenue  
Charleston, SC 29425

HOME ADDRESS: 1036 Ft. Sumter Dr TELEPHONE: 795-3831  
Charleston, SC 29412

EDUCATION:

|                          |           |                      |
|--------------------------|-----------|----------------------|
| Dartmouth College        | 1961-1964 | A.B. Biology         |
| Dartmouth Medical School | 1964-1965 | Bachelor Med Science |
| Harvard Medical School   | 1965-1967 | M.D.                 |
| Marine Biology Lab       | 1964      | Embryology Course    |

GRADUATE MEDICAL TRAINING:

INTERNSHIP: Childrens Hospital Medical Center 1967-1968  
Boston, Massachusetts

RESIDENCIES OR POST DOCTORAL TRAINING:

Childrens Hospital Medical Center  
Boston, Massachusetts 1968-1969; 1971-1972

BOARD CERTIFICATION:

Diplomate, American Board of Pediatrics July 1973

LICENSURE:

Diplomate, National Board of Medical Examiners 1968  
South Carolina State Board of Medical Examiners 1970

FACULTY APPOINTMENTS:

| PLACE                                  | DATES     | RANK             |
|----------------------------------------|-----------|------------------|
| Harvard Medical School                 | 1971-1972 | Teaching Fellow  |
| Medical University of SC               | 1972-1976 | Assist Professor |
| Medical University of SC               | 1976-1992 | Assoc Professor  |
| Medical University of SC               | 1973-1978 | Assist Prof Med  |
| MUSC Family Medicine                   | 1978-1992 | Assoc Professor  |
| Connecticut & Ohio Academies of        |           |                  |
| Family Practice/Core Content Review    | 1973-1976 | Faculty          |
| MUSC Clinical & Institutional Pharmacy | 1983      | Assist Professor |

FIRST APPOINTMENT TO MUSC: RANK: Assistant Professor DATE: 1972



MEDICAL UNIVERSITY OF SOUTH CAROLINA  
COLLEGE OF MEDICINE  
CURRICULUM VITAE

NAME: Reigart                      John                      Routt                      November 18, 1992  
HOME ADDRESS: 1036 Ft. Sumter Drive                      PHONE #: 795-3831  
                  Charleston, SC 29412  
OFFICE ADDRESS: MUSC Childrens Hospital                      PHONE #: 792-5345  
                  171 Ashley Avenue  
                  Charleston, SC 29425  
SOCIAL SECURITY #: 212-44-1620

EDUCATION:

| YEARS     | TRAINING                                                                                      | LOCATION               |
|-----------|-----------------------------------------------------------------------------------------------|------------------------|
| 1961-1964 | A.B. Biology                                                                                  | Dartmouth College      |
| 1964-1965 | Bachelor Med Sc                                                                               | Dartmouth College      |
| 1965-1967 | M.D.                                                                                          | Harvard Medical School |
| 1964      | Embriology Course                                                                             | Marine Biology Lab     |
| 1967-1968 | Intern, Medicine, Childrens Hospital Medical Center, Boston, Mass                             |                        |
| 1968-1969 | Junior Assistant Resident, Medicine, Childrens Hospital Medical Center, Boston, Mass          |                        |
| 1971-1972 | Assistant Resident, Medicine, Senior Program, Childrens Hospital Medical Center, Boston, Mass |                        |

SPECIALTY CERTIFICATION:

1973                      Diplomate, American Board of Pediatrics

LICENSURE:

1968                      National Board of Medical Examiners  
1970                      South Carolina State Board of Medical Examiners

MILITARY SERVICE:

1969-1971 USNR, Naval Weapons Station Dispensary  
1970                      Senior Medical Officer, NWS Dispensary

FACULTY APPOINTMENTS:

|           |                                      |                        |
|-----------|--------------------------------------|------------------------|
| 1971-1972 | Teaching Fellow/Pediatrics           | Harvard Medical School |
| 1972-1976 | Asst Professor/Pediatrics            | MUSC                   |
| 1976-1992 | Assoc Professor/Pediatrics           | MUSC                   |
| 1973-1978 | Asst Prof/Medicine                   | MUSC                   |
| 1978-1992 | Assoc Professor                      | MUSC - Family Medicine |
| 1973-1976 | Faculty Core Content                 | Conn/Ohio Academies    |
| 1983-1992 | Asst Prof of Clinical/Inst Pharmacy, | MUSC                   |

HOSPITAL APPOINTMENTS:

1972-1975 Utilization Review Committee  
1983                      Bed Space Utilization ad hoc Committee  
1987-1992 Director, Division of General Pediatrics



1983-1992 Pharmacy & Therapeutic Committee  
 1991-1992 Medical Records Committee  
 1987-1992 Children's Hospital Executive Committee  
 1972-1992 Charleston Memorial Hospital Active Pediatric Staff  
 1989-1992 Charleston Memorial Hospital Chief of Pediatrics  
 1972-1992 Medical University Hospital Pediatric Staff  
 1977-1992 Medical University Hospital Medical Director  
 Infant Acute Care Ward  
 1977-1983 Medical University Hospital Medical Director Poison  
 Control Center

#### RESEARCH APPOINTMENTS:

1972-1975 Project Pediatrician, Charleston Childhood Lead  
 Poisoning Detection Project,  
 1975-1992 Project Pediatrician, South Carolina Childhood Lead  
 Poisoning Project  
 1973-1983 Consultant in Pediatrics, South Carolina Pesticides  
 Project  
 1976-1977 Principal Investigator: Medical Decision Theory, A  
 Synopticon of the Literature  
 1979-1982 Principal Investigator: Amino-Levulinate Dehydratase  
 Variation and Susceptibility to Lead Induced  
 Protoporphyrinemia. NIEHS  
 1987 Co-Investigator: A Comparative Study of Parenteral  
 Sulbactam Ampicillin versus Ampicillin and  
 Chloramphenicol in the Treatment of Meningitis in  
 Infants and Children - Pfizer, Inc.  
 1987 Co-Investigator: Hemophilus Influenzae Protocol. (A  
 noncomparative study of Parenteral CP-45, 899 in  
 Combination with Ampicillin - Pfizer, Inc.  
 1986 Principal Investigator: Contract - HRSD 86-316(P) -  
 To Develop an Administrative Guide for Prevention of  
 Lead Poisoning in Children.

#### AWARDS, HONORS, MEMBERSHIP IN HONORARY SOCIETIES:

Outstanding Young Men of America Selection, 1976  
 Pediatric Attending of the Year Award 1989

#### MEMBERSHIP IN PROFESSIONAL/SCIENTIFIC SOCIETIES: (INCLUDING OFFICES HELD)

##### NATIONAL SOCIETIES AND COMMITTEES

American Academy of Pediatrics  
 Chairman, Committee on Environmental Hazards, 1991-1992  
 Environmental Protection Agency  
 Medical Consultant for Acute Pesticide Poisoning, 1974-1982  
 Presidents Council on Environmental Quality  
 Member, Lead Poisoning Education Task Force, 1992  
 Dept of Health and Human Services/BHCDA/MCH/SPRANS  
 Member, Technical Advisory Committee, 1986-1992  
 Southern Society for Pediatric Research  
 Executive Council, 1976-1980  
 American Academy of Clinical Toxicology  
 Moderator: Annual Meeting, Boston MS, 1983  
 American Medical Association



Consultant for Drug Evaluations, Division of Drugs & Toxicology, 1992  
 Centers for Disease Control  
 Childhood Lead-Based Paint Poisoning ad hoc Advisory Committee, 1977-78  
 Chairman, Childhood Lead-Based Paint Poisoning Advisory Committee 1984-1992  
 National Academy of Sciences  
 Member, Committee on Enhancing the Role of the Primary Care Physician in Occupational and Environmental Medicine, 1989-1990  
 Pew Charitable Trusts  
 Member Advisory Committee on Lead Poisoning, 1992  
 Kids And The Environment  
 Member, National Advisory Committee, 1992  
 NIH/NIEHS/OSAAD  
 Medical Consultant, 1988-1992

#### LOCAL SOCIETIES -

Charleston County Medical Society  
 South Carolina Medical Association  
 South Carolina Pediatric Association  
 South Carolina Pesticide Advisory Committee

EDITORIAL POSITIONS: Assistant Editor - Poisonsindex  
 Reviewer - Journal of American Medical Assoc  
 Reviewer - Hospital Formulary  
 Reviewer - Pediatrics  
 Reviewer - Journal of Pediatrics  
 Reviewer - JAMA  
 Reviewer - New England Journal of Medicine

#### EXTRAMURAL GRANTS/AWARD AMOUNTS

A Safety and Efficacy Trial of 2,3-Dimercaptosuccinic Acid (DMSA in Children with Lead Toxicity) - 5% Effort

McNeil Consumer Products company

04-18-91 to Open

Direct Costs \$19,500 Indirect Costs \$4,524

Pediatric Emergency Room Coverage

Charleston Memorial Hospital

07/01/90 - 06/30/91

Direct Costs \$132,000

07/01/91 - 06/30/92

Direct Costs \$193,645

General Pediatric Service Contract

Naval Regional Medical Center

Charleston Navy Hospital

04/01/92 - 3/30/94

Low Country Childrens Center Contract

Low Country Childrens Center

12/01/91 - 11/30/92



## INTRAMURAL GRANTS/AWARD AMOUNTS

Pediatric Continuity Clinic  
 Children's Hospital  
 09/01/90 - 06/30/91  
 Direct Costs \$82,210  
 07/01/91 - 06/30/92  
 Compensation \$102,710

Continuity Care Clinic  
 MUSC Hospital  
 09/01/90 - 06/30/91  
 Direct Costs \$225,000  
 07/01/91 - 06/30/92  
 Subsidy - \$236,250

## ACADEMIC COMMITTEE ACTIVITIES:

## UNIVERSITY

Physical Therapy Program Medical Advisory Committee (1978-present)

Graduate Student Advisory Committee

## COLLEGE

Curriculum Review Committee (1983)  
 Children's Hospital Executive Committee (1985-present)  
 Continuing Medical Education Committee  
 Behavioral Science Course Committee (1973-1978)  
 Faculty Advisory Council (1972-1976)  
 Interviewer for Admission Committee (1973-1979)  
 Curriculum Review Sub-committee (1983-1986)  
 Intro to Clinical Medicine Steering Committee (1985-1988)  
 Chairman, Curriculum Review Committee (1984-1986)  
 Basic Clinical Genetic Course ad hoc Committee (1983)  
 Task Force on National Boards (1983-1984)  
 Task Force on Premedical Education (1983-1984)

## DEPARTMENT

Pediatric Executive Committee - 1987-1992  
 Student Curriculum Committee (1983)

## DIVISION

Director (1987-1992)

## FOR TEACHING RESPONSIBILITIES: (CURRENT)

## UNDERGRADUATE MEDICAL EDUCATION

Division Director Pediatric Core Course  
 Core Course Ward Teaching

## GRADUATE MEDICAL EDUCATION

Resident Lectures and Clinical Teacher



## GRADUATE STUDIES EDUCATION

Fellow Lectures/Training

Graduate Student Advisory Committee

Sherry Stine, M.D., Ph.D., Biochemistry

William McLean, M.S. Biochemistry

Richard Porter, M.S. Biometry

Julie McElrath, Ph.D. Pathology

Sandra Russ, M.S. - CAH, MUSC

## CONTINUING MEDICAL EDUCATION

Ground Rounds Lectures

Instructor for Louisville/Jefferson Co Dept of Health, Childhood

Lead Poisoning Training Workshop

## MAJOR CLINICAL INTERESTS AND RESPONSIBILITIES:

General Pediatrics, Toxicology

## INVITED LECTURES:

"Experience with Newborn Transport Systems". New England  
Pediatric Society, December, 1971.

"Diagnosis and Treatment of Lead Poisoning". Memorial Hospital,  
Savannah, Georgia, August 27, 1973.

"Longitudinal Studies of Blood Lead and Free Erythrocyte  
Protoporphyrin". Also Workshop Moderator. "Screening and  
Treatment". Tri-Regional Lead Poisoning Staff Conference, New  
Orleans, Louisiana, December 11, 1974.

"Diagnosis and Implications of Low Level Lead Toxicity". South  
Carolina Pediatric Society, April 6, 1974.

Moderator - South Carolina Forum on Child Protection, Columbia,  
SC, March 14, 1974.

"Longitudinal Observations of FEP and Blood Lead", Charleston,  
SC., May 29, 1974. National Conference of Childhood Lead  
Poisoning Control Projects, Center for Disease Control,

"Clinical Aspects of Childhood Lead Poisoning". Pediatric Grand  
Rounds, South Alabama Medical Center, July 22, 1975.

Pediatric Grand Rounds, University of Louisville School of  
Medicine, August 22, 1975. "Clinical Aspects of Childhood  
Lead Poisoning".

National Conference of Childhood Lead Poisoning Prevention,  
Norfolk, VA, October 22, 1975. "Program Operations with  
Erythrocyte Protoporphyrins".

Pediatric Grand Rounds, University of Tennessee Medical School,  
Memphis, November, 1975. "Clinical Aspects of Childhood Lead  
Poisonings".



Chairman - Sessions Medical Management. HEW - Tri-Regional Conference of Childhood Lead Poisoning Projects - February 25, 1976. Mobile, Alabama.

Visiting Professorship and Grand Rounds - University of North Carolina Medical School, Chapel Hill. Topics: Lead Poisoning and Toxicology. March 4-5, 1976.

"Variability in Response to Lead Exposure - Demonstration of a Genetic Influence" - APS-SPS Annual Meeting. April 29, 1977. San Francisco, CA.

"Clinical Aspects of Childhood Lead Intoxication" - Workshop on Planning Pediatric Lead Screening Program in North Carolina, NIEHS-RTP, NC, May 5, 1977.

"New Aspects of Prevention of Lead Poisoning". National Association for Retarded Citizens. Northeast/Southeast Regional Conference. Myrtle Beach, SC, April 15, 1978.

"Lead Poisoning in Childhood" - Grand Rounds. M.C.G. - Augusta, Georgia, March 15, 1979.

"Symposium on Childhood Lead Poisoning". South Carolina Department of Health and Environmental Control. Columbia, SC, October 23, 1980.

"Interaction of Nutrition and Lead Poisoning in Childhood". Nutrition Council and Area Health Education Center. Columbia, SC, June 20, 1980

"6th Annual Conference on Vital Records and Statistics". Department of Health and Environmental Control, Columbia, SC, October 5-6, 1980.

"An Alternative Method of Intravenous Drug Administration in Pediatric Patients - The Use of Low Volume Tubing", Vander-veen TW, Reigart, JR, and Smith S. Presented ASHP Midyear Clinical Meeting, Los Angeles, CA, December 5-9, 1982.

"Management of Common Ingested Poisons in Children", Care of the Critically Ill or Injured Patient. Charleston, SC, December 3, 1982.

"Medical Evaluation and Management of Pesticide Exposure", Southeast Louisiana Emergency Medical Services Council, Recognition and Management of Environmental Disease in the 1980's, New Orleans, LA, December 9, 1983.

"Childhood Lead Poisoning" - Pediatric Grand Rounds, University of Louisville College of Medicine, March 25, 1984.

"Pesticide Exposure in Children", 1984 Migrant Health Conference, The Migrant Child. Charleston, SC, April 14, 1984.



"Acute Pesticide Exposure" - Care of the Critically Ill or Injured Patient - Charleston, SC, November 17, 1984.

"Childhood Lead Poisoning" - New Jersey Anti-Lead Poisoning Coalition, Trenton, New Jersey, October 10, 1984.

"Medical Aspects of Childhood Lead Poisoning" - Migrant Health Workshop - Salt Lake City, Utah, January 18, 1985.

"Relationship Between E.P., Iron Deficiency and Lead Poisoning", Workshop, Commonwealth of Virginia - Richmond, VA, August 29, 1985.

"Diagnosis, Supportive Management and Chelation Therapy" - Current Issues in Pediatric Lead Poisoning - Chicago Department of Health - March of Dimes, Chicago, Illinois, May 3, 1985.

"Children at Risk: The Impact of Lead" - Eastern Area Health Education Center, Greenville, NC, April 4, 1986.

"Childhood Lead Poisoning", Grand Rounds - Rhode Island Hospital, June 6, 1986.

"Current Perspectives - Future Directions", National Childhood Lead Poisoning Conference, Indianapolis, Indiana, December, 1987.

"Lead Poisoning Prevention", Injury Control/Lead Poisoning Prevention Program, Chatham County Department of Public Health, Savannah, Ga, May 10, 1989.

"Health Effects and Medical Management of Lead Poisoning", First Lead Poisoning Workshop, North Carolina Department of Human Resources, Raleigh, North Carolina, May 3, 1989.

"Laboratory Issues in Childhood Lead Poisoning Prevention", Association of State and Territorial Public Health Laboratory Directors, Columbia, Md, November 1991.

"Childhood Lead Poisoning", Committee on Children with Disabilities, Chicago, Ill, December 1991

"Pesticides, Children, and Food Safety", Public Voice's 1992 Children and Nutrition Conference (Guiding Kids to a Healthy Life), Washington, D.C., January 1992.

"Childhood Lead Poisoning", Division of Children's Health Grand Rounds, Richland Memorial Hospital, Columbia, SC January 1992.

"Childhood Lead Poisoning Prevention" Trident Regional Hospital, Charleston, SC, May 1992.

"Childhood Lead Poisoning", Grand Rounds, Orangeburg Regional Hospital, Orangeburg, SC June 1992.



"Clinical Answers: The Modern Approach", Metal Binding in Medicine--Lead/Cadmium Conference, Great Lakes Association of Clinical Medicine Meeting, Grand Rapids, MI, September 1992.

"Childhood Lead Poisoning", Annual AAP Meeting, San Francisco, CA, October 1992

Moderator for NIEHS Meeting, Triangle Research Park, NC, November 1992.

"Pediatric Lead Poison Prevention Continuing Education for Physicians", University of Medicine & Dentistry of NJ, School of Osteopathic Medicine, Atlantic City, NJ, November 1992.

"Medical Management Issues", Facilitator; National Childhood Lead Poisoning Prevention Conference, December 1992.

#### EXTRAMURAL PROFESSIONAL ACTIVITIES:

Get the Lead Out Committee  
Childhood Lead Poisoning Talk Forum, Channel 5  
Charleston Lead Poisoning Prevention Coalition  
Charleston Memorial Hospital Executive Committee

#### COMMUNITY SERVICE:

District Enrollment Director, SC District, Dartmouth College  
President, Kiwanis Club of Charleston  
Board of Directors, MUSC Childrens Hospital Fund

#### BIBLIOGRAPHY:

##### JOURNALS:

Lash J, Reigart JR, Studies in Ascidian Metamorphosis: Birefringence in Tail Epidermis", Biological Bulletin 129:395:1965.

Habercam JW, Keil JE, Reigart JR, Croft HW. "Lead Content of Human Blood, Hair, and Deciduous Teeth: Correlation with Environmental Factors and Growth". The Journal of Dental Research, 53:1160, 1974.

Reigart JR, Brueggeman JL, Keil JE, "Sodium Fluoroacetate ("1080") Poisoning". American Journal of Diseases of Children, 129: 1124, 1975.

Harmon GE\*, Reigart JR, "Long-Term Follow-up of Survivors of Severe Acute Pesticide Poisoning". South Carolina Medical Association Journal. 71:253, 1975.

Reigart JR, Whitlock NH, "Longitudinal Studies of Blood Lead and Free Erythrocyte Protoporphyrin". Pediatrics, 57:54, 1976.

Cupp CM, Kleiwer G, Reigart JR, Sandifer SH, "Hypothermia in Organophosphate Poisoning and Response to PAM". South Carolina Medical Association Journal, 71: April, 1975.



Allen RC, Harley RA, Reigart JR, "Quantitative and Qualitative Studies of Protease Inhibitor Phenotyping by Isoelectric Focusing on Polyacrylamide Gel Slabs". (Abstract) American Journal of Clinical Pathology, 63:767, 1975.

Reigart JR, Graber CD, "Evaluation of the Humoral Immune Response of Children with Low Level Lead Exposure". Bulletin of Environmental Contamination and Toxicology, 16:112, 1976.

Chisolm JJ, Currant AS, Finbert AS, Hopkins DR, Lin-Fu JS, Piomelli S, Reigart JR, Houk VH, "Increased Lead Absorption and Lead Poisoning in Young Children. A statement by the Center for Disease Control". J. Pediatrics, 87:824 1975.

Penny LD<sup>+</sup>, Reigart JR, Loadhold CB, Taylor HL, "Variability in Response to Lead Exposure: Demonstration of a Genetic Influence". (Abstract), Pediatric Research, 11:438, 1977.

Whitlock N, Reigart JR, Priester L, "Lead Poisoning in South Carolina". SCMA Journal, 73:378, 1977.

Reigart JR, "Lead Poisoning". Hospital Medicine, 17:161 16J, 16N, 16P: August, 1981.

Trammel HL, Sandifer SH, Reigart JR, and Hurwitz GA (Abstract) "National Pesticide Telecommunications Network: A Specialized Poison Information Center", Veterinary and Human Toxicology, 23:52, 1981.

Reigart JR and Trammel HL. (Abstract), "Treatment of Acute Dapsone Intoxication in a Child by Pulse Dosing with Activated Charcoal". Veterinary and Human Toxicology. 23:58, 1981.

Thompson DF<sup>+</sup>, Trammel HL, Robertson NJ, and Reigart JR. "Telephone Evaluation of Regional and Non-Regional Poison Centers". New England Journal of Medicine. 308: January 27, 1982, Number 4.

Reigart JR, Trammel HL, and Lindsey JM, "Treatment of Symptomatic Dapsone Poisoning by Repetitive Activated Charcoal Treatment in a Child". Journal of Toxicology-Clinical Toxicology. 19:1061, 1983.

Reigart JR, and Trammel HL: "Plasma and Red Blood Cell Cholinesterase Levels are Poor Predictors of Cholinergic Symptomatology". Veterinary and Human Toxicology. 24:276, 1982. (Abstract).

Olanoff LS, Bristow W, Colcolough J, and Reigart JR. "Acute Chlordane Intoxication". Toxicology-Clinical Toxicology 20:291-306, 1983.



Trammel HL, and Reigart JR. "Acute Herbicide Intoxication". Clinical Toxicology Consultant. 5:56-69, 1983.

Rogan WJ, Reigart JR, and Gladen BC, "Association of Amino Levulinate Dehydratase Levels and Ferrochelatase Inhibition in Childhood Lead Exposure". The Journal of Pediatrics. 109:60-64, 1986.

Weist DB, ONeal W, Reigart JR, Brundage RC, Gillette PC, and Yost RL, "Pharmacokinetics of Ranitidine in Critically Ill Infants". Developmental Pharmacology and Therapeutics. Dev Pharmacol Ther 1989; 12(1): 7-12

Durand RP, Fincher RE, Reigart JR, Lichtenstein LS, Lancaster, CJ, and Levine JH "An Analysis of Third Year Medical Students' Abilities to Order Appropriate Diagnostic Tests and Procedures". Learning. Academic Medicine. 66(11):702-04, July, 1991.

Hammill WW\*, Reigart JR, Laver J, "Ehrlichia Canis Infection in a Child in South Carolina", Clinical Pediatrics, Clin Pediatr (Phila) 1992 Jul; 31(7):432-4.

Reigart JR, Chairman, Committee on Drugs, American Academy of Pediatrics; and Committee on Environmental Health, American Academy of Pediatrics, "Use of Chloral Hydrate for Sedation in Children" Pediatrics (In Press).

Reigart JR, Chairman, Committee on Environmental Health, American Academy of Pediatrics, "Lead Poisoning - From Screening to Prevention" Pediatrics, (In Press).

Reigart JR. Chairman, Committee on Environmental Health, American Academy of Pediatrics, "Ambient Air Pollution: Respiratory Hazards to Children", Pediatrics, (In Press).

#### BOOKS AND OTHER MONOGRAPHS:

Krall AR, McLean Jr WS#, Gamble HF#, Rogers Jr EW#, Reigart JR, Collawn SS#, "Effects of Magnesium Infusions on the Metabolism of Calcium and Lead: Evidence for Release of Calcitonin and Parathyroid Hormone in Response to Changes in Plasma Magnesium Content." In Magnesium in Health in Disease Proceedings of 2nd Int. Symposium on Magnesium, Montreal. May, 1976.

Miller MC, Westphal MC, Reigart JR, Barner C, Medical Diagnostic Models: A Bibliography. University Micro-films International, 1977.



Miller MC, Westphal MC, Reigart JR, Mathematical Models of Medical Diagnosis. Praeger, Inc. NY, NY, 1981.

Reigart JR, "Future Directions", Childhood Lead Poisoning - Current Perspectives, 1988.

Mahaffey KR, McKinney J, and Reigart JR, "Lead and Compound". (1991) In: Critical Reviews of Environmental Toxicants. Ed. M. Linnmann Van Nostrand Reinhold, New York

Reigart JR, "Recommendations of the American Academy of Pediatrics on Lead Screening in Children", Proceedings of the First National Conference on Laboratory Issues in Childhood Lead Poisoning Prevention, October 31 - November 2, 1991



12/8/92

UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF TEXAS  
DALLAS DIVISION

LOIS THOMPSON on behalf of and as next  
friend to TAYLOR KEONDRA DIXON,  
ZACHERY X. WILLIAMS, CALVIN A.  
THOMPSON and PRENTISS LAVELL  
MULLINS,

Plaintiffs,

PEOPLE UNITED FOR A BETTER  
OAKLAND, on behalf of its members;  
DENVER ACTION FOR A BETTER  
COMMUNITY, on behalf of its members;  
NEW YORK CITY COALITION TO END  
LEAD POISONING, on behalf of its  
members; ROBIN GOURLEY on behalf of  
and as next friend to BRYAN ALAN  
GOURLEY, WESLEY KYLE GOURLEY,  
BRIDGET MICHELLE GOURLEY,  
LINDA DANIELLE GOURLEY and  
BETSEY IRENE GOURLEY; TEARRAH  
ROBERSON on behalf of and as guardian  
ad litem to JUAN WILKINS; and MARY  
MARIE ROBERSON on behalf of and as  
guardian ad litem to ASHARD MOORE,  
JASON ROLLINS, ASHEA ROBERSON,  
and NASHEIKA ROBERSON,

Proposed Plaintiff-Intervenors,

v.

BURTON F. RAIFORD, in his capacity as  
Commissioner of the Texas Department of  
Human Services,

The UNITED STATES OF AMERICA,

Defendants,

uLOUIS W. SULLIVAN, in his capacity as  
Secretary of the United States Department of  
Health and Human Services,

Proposed Additional Defendant.

CASE NO. 3-92 CV 1539-R

Civil Action

Class Action

CORRECTED DECLARATION OF J.  
ROUTT REIGART, M.D.



CORRECTED DECLARATION OF J. ROUTT REIGART, M.D.

I, J. Routt Reigart, M.D., declare as follows:

1. The matters stated herein are true of my own personal knowledge. If called as a witness, I would competently and truthfully testify consistent with the following.

2. I am an Associate Professor of Pediatrics at the Medical University of South Carolina in Charleston, South Carolina. Attached hereto as Exhibit 1 is a copy of my abbreviated curriculum vitae.

3. Since July 1991, I have served as the Chairman of the American Academy of Pediatrics' Committee on Environmental Health ("Committee"). This Committee is reviewing the Academy's policy on lead testing and treatment, which is currently contained in a five-year-old document entitled Statement of Childhood Lead Poisoning. We are currently reviewing this document because recent information about lead toxicity in children requires revised recommendations to pediatricians. I also serve as Chairman of the Childhood Lead Poisoning Prevention Advisory Committee of the Centers for Disease Control ("CDC").

PROFESSIONAL BACKGROUND

4. As a pediatrician I have devoted much of my professional career to the study, screening and treatment of pediatric lead poisoning. For over 20 years I have been researching, writing, teaching and lecturing on lead poisoning issues. In my medical practice I have also screened and treated several thousand children who have been lead poisoned.

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5. I have authored and co-authored numerous articles and papers dealing specifically with pediatric lead poisoning issues, including: Chisolm, Currant, Finbert Hopkins, Lin-Fu, Piomelli, Reigart, Houk, "Increased Lead Absorption and Lead Poisoning in Young Children. A Statement by the Centers for Disease Control," J. Pediatrics, 87:824 (1975); Penny, Reigart, Loadhold, Taylor, "Variability in Response to Lead Exposure: Demonstration of a Genetic Influence," (Abstract), Pediatric Research, 11:438 (1977); Whitlock, Reigart, Priester, "Lead Poisoning in South Carolina," SCMA Journal, 73:378 (1977); Reigart, "Lead Poisoning," Hospital Medicine, 17:161 16J, 16N, 16P: August, 1981; Reigart, "Future Directions," Childhood Lead Poisoning — Current Perspectives (1988) and Reigart, "Recommendations of the American Academy of Pediatrics on Lead Screening in Children," Proceedings of the First National Conference on Laboratory Issues in Childhood Lead Poisoning Prevention, October 31 - November 2, 1991.

6. Last month I addressed members of the Annual Academy of Pediatrics at its annual conference in San Francisco on the issue of "Childhood Lead Poisoning." This month I lectured at the University of Medicine & Dentistry of New Jersey, School of Osteopathic Medicine, in Atlantic City, New Jersey, on the topic of "Pediatric Lead Poison Prevention Continuing Education for Physicians," and in December I will facilitate a panel at the National Childhood Lead Poisoning Prevention Conference discussing "Medical Management Issues."

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7. I serve on numerous committees dedicated to pediatric environmental health issues, including: Chairman, Committee on Environmental Health, American Academy of Pediatrics; Member, Lead Poisoning Education Task Force, Presidents Council on Environmental Quality; Chairman, Centers for Disease Control Childhood Lead-Based Paint Poisoning Advisory Committee; and as a Member of the Pew Charitable Trust's Advisory Committee on Lead Poisoning. In the past I have served on the Centers for Disease Control Childhood Lead-Based Paint Poisoning ad hoc Advisory Committee and worked with the Environmental Protection Agency as a Medical Consultant for Acute Pesticide Poisoning.

#### LEAD POISONING AND MEDICAID ELIGIBLE CHILDREN

8. Speaking as a pediatrician, I am someone who has actually worked for many years in lead poisoning prevention out in the field. The situation in my city, Charleston, South Carolina, illustrates the enormity of the lead poisoning problem in young children. In 1972, when we began screening in Charleston, we were detecting that somewhere in the neighborhood of 39% of our children had blood lead levels greater than 40  $\mu\text{g/dL}$ . By 1975, I was following over 1,250 children with lead levels greater than 30  $\mu\text{g/dL}$ . Today the Centers for Disease Control has decreased the level of concern to 10  $\mu\text{g/dL}$ , so that there are many more children out there who are potentially injured by dangerous blood lead levels.

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9. Although the American Academy of Pediatrics' revised report is not yet completed, one recommendation that will certainly come from the Committee is that there is a need for more testing. Lead poisoning cannot be detected absent a blood test; a series of questions cannot verify blood lead levels. Nor will a series of questions guarantee that a child will be appropriately classified as low risk. In other words, a child can answer all risk-identifying questions in the negative and still be poisoned.

10. Pediatricians obviously want to test for lead using a test that will accurately measure blood lead at the levels of concern announced by the CDC ( $\geq 10 \mu\text{g/dL}$ .) The erythrocyte protoporphyrin or "EP" test (which really does not measure blood lead levels at all) is simply incapable of accurately predicting lead levels below  $40 \mu\text{g/dL}$ .

11. In my opinion, as a pediatrician with extensive experience in lead poisoning prevention, Medicaid eligible children represent a high risk group since the environment of low-income children often contains numerous sources of lead exposure.

12. As noted in the CDC's October 1991 statement, "[a]lthough all children are at risk for lead toxicity, poor and minority children are disproportionately affected. Lead exposure is at once a by-product of poverty and a contributor to the cycle that perpetuates and deepens the state of being poor." U.S. Dep't of Health & Human Services ("HHS"), Public Health Service, Centers for Disease Control, Preventing Lead Poisoning in Young Children, 12 (Oct. 1991) ("CDC Statement").

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13. The CDC Statement concludes, and I concur, that accurate measurement of blood lead levels can only be determined through the use of blood lead tests. Id. at 41. Accordingly, if the lead testing program is to be effective and if children are to be saved from lead poisoning's devastating effects, it is essential that HHS immediately mandate that States replace the EP test with the blood lead test as the primary lead screening method.

I declare under the penalty of perjury that the foregoing is true and correct, this \_\_\_th day of December, 1992 in Charleston, South Carolina.

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J. Routt Reigart, M.D.



MEDICAL UNIVERSITY OF SOUTH CAROLINA  
COLLEGE OF MEDICINE  
ABBREVIATED CURRICULUM VITAE

NAME Reigart J. Routt DATE OF BIRTH 01/28/43  
Last First Middle Initial

SOCIAL SECURITY NO.: 212-44-1620

CITIZENSHIP AND/OR VISA STATUS: US CITIZEN

OFFICE ADDRESS: MUSC Childrens Hospital TELEPHONE: 792-5345  
171 Ashley Avenue  
Charleston, SC 29425

HOME ADDRESS: 1036 Ft. Sumter Dr TELEPHONE: 795-3831  
Charleston, SC 29412

EDUCATION:

|                          |           |                      |
|--------------------------|-----------|----------------------|
| Dartmouth College        | 1961-1964 | A.B. Biology         |
| Dartmouth Medical School | 1964-1965 | Bachelor Med Science |
| Harvard Medical School   | 1965-1967 | M.D.                 |
| Marine Biology Lab       | 1964      | Embryology Course    |

GRADUATE MEDICAL TRAINING:

INTERNSHIP: Childrens Hospital Medical Center 1967-1968  
Boston, Massachusetts

RESIDENCIES OR POST DOCTORAL TRAINING:

Childrens Hospital Medical Center  
Boston, Massachusetts 1968-1969; 1971-1972

BOARD CERTIFICATION:

DATE:  
Diplomate, American Board of Pediatrics July 1973

LICENSURE:

Diplomate, National Board of Medical Examiners 1968  
South Carolina State Board of Medical Examiners 1970

FACULTY APPOINTMENTS:

| PLACE                                  | DATES     | RANK             |
|----------------------------------------|-----------|------------------|
| Harvard Medical School                 | 1971-1972 | Teaching Fellow  |
| Medical University of SC               | 1972-1976 | Assist Professor |
| Medical University of SC               | 1976-1992 | Assoc Professor  |
| Medical University of SC               | 1973-1978 | Assist Prof Med  |
| MUSC Family Medicine                   | 1978-1992 | Assoc Professor  |
| Connecticut & Ohio Academies of        |           |                  |
| Family Practice/Core Content Review    | 1973-1976 | Faculty          |
| MUSC Clinical & Institutional Pharmacy | 1983      | Assist Professor |

FIRST APPOINTMENT TO MUSC: RANK: Assistant Professor DATE: 1972



MEDICAL UNIVERSITY OF SOUTH CAROLINA  
COLLEGE OF MEDICINE  
CURRICULUM VITAE

NAME: Reigart John Routt November 18, 1992

HOME ADDRESS: 1036 Ft. Sumter Drive PHONE #: 795-3831  
Charleston, SC 29412

OFFICE ADDRESS: MUSC Childrens Hospital PHONE #: 792-5345  
171 Ashley Avenue  
Charleston, SC 29425

SOCIAL SECURITY #: 212-44-1620

EDUCATION:

| YEARS     | TRAINING                                                                                      | LOCATION               |
|-----------|-----------------------------------------------------------------------------------------------|------------------------|
| 1961-1964 | A.B.Biology                                                                                   | Dartmouth College      |
| 1964-1965 | Bachelor Med Sc                                                                               | Dartmouth College      |
| 1965-1967 | M.D.                                                                                          | Harvard Medical School |
| 1964      | Embriology Course                                                                             | Marine Biology Lab     |
| 1967-1968 | Intern, Medicine, Childrens Hospital Medical Center, Boston, Mass                             |                        |
| 1968-1969 | Junior Assistant Resident, Medicine, Childrens Hospital Medical Center, Boston, Mass          |                        |
| 1971-1972 | Assistant Resident, Medicine, Senior Program, Childrens Hospital Medical Center, Boston, Mass |                        |

SPECIALTY CERTIFICATION:

1973 Diplomate, American Board of Pediatrics

LICENSURE:

1968 National Board of Medical Examiners  
1970 South Carolina State Board of Medical Examiners

MILITARY SERVICE:

1969-1971 USNR, Naval Weapons Station Dispensary  
1970 Senior Medical Officer, NWS Dispensary

FACULTY APPOINTMENTS:

|           |                                      |                        |
|-----------|--------------------------------------|------------------------|
| 1971-1972 | Teaching Fellow/Pediatrics           | Harvard Medical School |
| 1972-1976 | Asst Professor/Pediatrics            | MUSC                   |
| 1976-1992 | Assoc Professor/Pediatrics           | MUSC                   |
| 1973-1978 | Asst Prof/Medicine                   | MUSC                   |
| 1978-1992 | Assoc Professor                      | MUSC - Family Medicine |
| 1973-1976 | Faculty Core Content                 | Conn/Ohio Academies    |
| 1983-1992 | Asst Prof of Clinical/Inst Pharmacy, | MUSC                   |

HOSPITAL APPOINTMENTS:

1972-1975 Utilization Review Committee  
1983 Bed Space Utilization ad hoc Committee  
1987-1992 Director, Division of General Pediatrics



1983-1992 Pharmacy & Therapeutic Committee  
 1991-1992 Medical Records Committee  
 1987-1992 Children's Hospital Executive Committee  
 1972-1992 Charleston Memorial Hospital Active Pediatric Staff  
 1989-1992 Charleston Memorial Hospital Chief of Pediatrics  
 1972-1992 Medical University Hospital Pediatric Staff  
 1977-1992 Medical University Hospital Medical Director  
 Infant Acute Care Ward  
 1977-1983 Medical University Hospital Medical Director Poison  
 Control Center

#### RESEARCH APPOINTMENTS:

1972-1975 Project Pediatrician, Charleston Childhood Lead  
 Poisoning Detection Project,  
 1975-1992 Project Pediatrician, South Carolina Childhood Lead  
 Poisoning Project  
 1973-1983 Consultant in Pediatrics, South Carolina Pesticides  
 Project  
 1976-1977 Principal Investigator: Medical Decision Theory, A  
 Synopticon of the Literature  
 1979-1982 Principal Investigator: Amino-Levulinate Dehydratase  
 Variation and Susceptibility to Lead Induced  
 Protoporphyrinemia. NIEHS  
 1987 Co-Investigator: A Comparative Study of Parenteral  
 Sulbactam Ampicillin versus Ampicillin and  
 Chloramphenicol in the Treatment of Meningitis in  
 Infants and Children - Pfizer, Inc.  
 1987 Co-Investigator: Hemophilus Influenzae Protocol. (A  
 noncomparative study of Parenteral CP-45, 899 in  
 Combination with Ampicillin - Pfizer, Inc.  
 1986 Principal Investigator: Contract - HRSD 86-316(P) -  
 To Develop an Administrative Guide for Prevention of  
 Lead Poisoning in Children.

#### AWARDS, HONORS, MEMBERSHIP IN HONORARY SOCIETIES:

Outstanding Young Men of America Selection, 1976  
 Pediatric Attending of the Year Award 1989

#### MEMBERSHIP IN PROFESSIONAL/SCIENTIFIC SOCIETIES: (INCLUDING OFFICES HELD)

##### NATIONAL SOCIETIES AND COMMITTEES

American Academy of Pediatrics  
 Chairman, Committee on Environmental Hazards, 1991-1992  
 Environmental Protection Agency  
 Medical Consultant for Acute Pesticide Poisoning, 1974-1982  
 Presidents Council on Environmental Quality  
 Member, Lead Poisoning Education Task Force, 1992  
 Dept of Health and Human Services/BHCDA/MCH/SPRANS  
 Member, Technical Advisory Committee, 1986-1992  
 Southern Society for Pediatric Research  
 Executive Council, 1976-1980  
 American Academy of Clinical Toxicology  
 Moderator: Annual Meeting, Boston MS, 1983  
 American Medical Association



Consultant for Drug Evaluations, Division of Drugs & Toxicology, 1992  
 Centers for Disease Control  
 Childhood Lead-Based Paint Poisoning ad hoc Advisory Committee, 1977-78  
 Chairman, Childhood Lead-Based Paint Poisoning Advisory Committee 1984-1992  
 National Academy of Sciences  
 Member, Committee on Enhancing the Role of the Primary Care Physician in Occupational and Environmental Medicine, 1989-1990  
 Pew Charitable Trusts  
 Member Advisory Committee on Lead Poisoning, 1992  
 Kids And The Environment  
 Member, National Advisory Committee, 1992  
 NIH/NIEHS/OSAAD  
 Medical Consultant, 1988-1992

#### LOCAL SOCIETIES -

Charleston County Medical Society  
 South Carolina Medical Association  
 South Carolina Pediatric Association  
 South Carolina Pesticide Advisory Committee

EDITORIAL POSITIONS: Assistant Editor - Poisonsindex  
 Reviewer - Journal of American Medical Assoc  
 Reviewer - Hospital Formulary  
 Reviewer - Pediatrics  
 Reviewer - Journal of Pediatrics  
 Reviewer - JAMA  
 Reviewer - New England Journal of Medicine

#### EXTRAMURAL GRANTS/AWARD AMOUNTS

A Safety and Efficacy Trial of 2,3-Dimercaptosuccinic Acid (DMSA in Children with Lead Toxicity) - 5% Effort

McNeil Consumer Products company

04-18-91 to Open

Direct Costs \$19,500 Indirect Costs \$4,524

Pediatric Emergency Room Coverage

Charleston Memorial Hospital

07/01/90 - 06/30/91

Direct Costs \$132,000

07/01/91 - 06/30/92

Direct Costs \$193,645

General Pediatric Service Contract

Naval Regional Medical Center

Charleston Navy Hospital

04/01/92 - 3/30/94

Low Country Childrens Center Contract

Low Country Childrens Center

12/01/91 - 11/30/92



## INTRAMURAL GRANTS/AWARD AMOUNTS

Pediatric Continuity Clinic  
Children's Hospital  
09/01/90 - 06/30/91  
Direct Costs \$82,210  
07/01/91 - 06/30/92  
Compensation \$102,710

Continuity Care Clinic  
MUSC Hospital  
09/01/90 - 06/30/91  
Direct Costs \$225,000  
07/01/91 - 06/30/92  
Subsidy - \$236,250

## ACADEMIC COMMITTEE ACTIVITIES:

## UNIVERSITY

Physical Therapy Program Medical Advisory Committee (1978-present)

Graduate Student Advisory Committee

## COLLEGE

Curriculum Review Committee (1983)  
Children's Hospital Executive Committee (1985-present)  
Continuing Medical Education Committee  
Behavioral Science Course Committee (1973-1978)  
Faculty Advisory Council (1972-1976)  
Interviewer for Admission Committee (1973-1979)  
Curriculum Review Sub-committee (1983-1986)  
Intro to Clinical Medicine Steering Committee (1985-1988)  
Chairman, Curriculum Review Committee (1984-1986)  
Basic Clinical Genetic Course ad hoc Committee (1983)  
Task Force on National Boards (1983-1984)  
Task Force on Premedical Education (1983-1984)

## DEPARTMENT

Pediatric Executive Committee - 1987-1992  
Student Curriculum Committee (1983)

## DIVISION

Director (1987-1992)

## FOR TEACHING RESPONSIBILITIES: (CURRENT)

## UNDERGRADUATE MEDICAL EDUCATION

Division Director Pediatric Core Course  
Core Course Ward Teaching

## GRADUATE MEDICAL EDUCATION

Resident Lectures and Clinical Teacher



## GRADUATE STUDIES EDUCATION

Fellow Lectures/Training

Graduate Student Advisory Committee

Sherry Stine, M.D., Ph.D., Biochemistry

William McLean, M.S. Biochemistry

Richard Porter, M.S. Biometry

Julie McElrath, Ph.D. Pathology

Sandra Russ, M.S. - CAH, MUSC

## CONTINUING MEDICAL EDUCATION

Ground Rounds Lectures

Instructor for Louisville/Jefferson Co Dept of Health, Childhood  
Lead Poisoning Training Workshop

## MAJOR CLINICAL INTERESTS AND RESPONSIBILITIES:

General Pediatrics, Toxicology

## INVITED LECTURES:

"Experience with Newborn Transport Systems". New England  
Pediatric Society, December, 1971."Diagnosis and Treatment of Lead Poisoning". Memorial Hospital,  
Savannah, Georgia, August 27, 1973."Longitudinal Studies of Blood Lead and Free Erythrocyte  
Protoporphyrin". Also Workshop Moderator. "Screening and  
Treatment". Tri-Regional Lead Poisoning Staff Conference, New  
Orleans, Louisiana, December 11, 1974."Diagnosis and Implications of Low Level Lead Toxicity". South  
Carolina Pediatric Society, April 6, 1974.Moderator - South Carolina Forum on Child Protection, Columbia,  
SC, March 14, 1974."Longitudinal Observations of FEP and Blood Lead", Charleston,  
SC., May 29, 1974. National Conference of Childhood Lead  
Poisoning Control Projects, Center for Disease Control,"Clinical Aspects of Childhood Lead Poisoning". Pediatric Grand  
Rounds, South Alabama Medical Center, July 22, 1975.Pediatric Grand Rounds, University of Louisville School of  
Medicine, August 22, 1975. "Clinical Aspects of Childhood  
Lead Poisoning".National Conference of Childhood Lead Poisoning Prevention,  
Norfolk, VA, October 22, 1975. "Program Operations with  
Erythrocyte Protoporphyrins".Pediatric Grand Rounds, University of Tennessee Medical School,  
Memphis, November, 1975. "Clinical Aspects of Childhood Lead  
Poisonings".



Chairman - Sessions Medical Management. HEW - Tri-Regional Conference of Childhood Lead Poisoning Projects - February 25, 1976. Mobile, Alabama.

Visiting Professorship and Grand Rounds - University of North Carolina Medical School, Chapel Hill. Topics: Lead Poisoning and Toxicology. March 4-5, 1976.

"Variability in Response to Lead Exposure - Demonstration of a Genetic Influence" - APS-SPS Annual Meeting. April 29, 1977. San Francisco, CA.

"Clinical Aspects of Childhood Lead Intoxication" - Workshop on Planning Pediatric Lead Screening Program in North Carolina, NIEHS-RTP, NC, May 5, 1977.

"New Aspects of Prevention of Lead Poisoning". National Association for Retarded Citizens. Northeast/Southeast Regional Conference. Myrtle Beach, SC, April 15, 1978.

"Lead Poisoning in Childhood" - Grand Rounds. M.C.G. - Augusta, Georgia, March 15, 1979.

"Symposium on Childhood Lead Poisoning". South Carolina Department of Health and Environmental Control. Columbia, SC, October 23, 1980.

"Interaction of Nutrition and Lead Poisoning in Childhood". Nutrition Council and Area Health Education Center. Columbia, SC, June 20, 1980

"6th Annual Conference on Vital Records and Statistics". Department of Health and Environmental Control, Columbia, SC, October 5-6, 1980.

"An Alternative Method of Intravenous Drug Administration in Pediatric Patients - The Use of Low Volume Tubing", Vander-veen TW, Reigart, JR, and Smith S. Presented ASHP Midyear Clinical Meeting, Los Angeles, CA, December 5-9, 1982.

"Management of Common Ingested Poisons in Children", Care of the Critically Ill or Injured Patient. Charleston, SC, December 3, 1982.

"Medical Evaluation and Management of Pesticide Exposure", Southeast Louisiana Emergency Medical Services Council, Recognition and Management of Environmental Disease in the 1980's, New Orleans, LA, December 9, 1983.

"Childhood Lead Poisoning" - Pediatric Grand Rounds, University of Louisville College of Medicine, March 25, 1984.

"Pesticide Exposure in Children", 1984 Migrant Health Conference, The Migrant Child. Charleston, SC, April 14, 1984.



- "Acute Pesticide Exposure" - Care of the Critically Ill or Injured Patient - Charleston, SC, November 17, 1984.
- "Childhood Lead Poisoning" - New Jersey Anti-Lead Poisoning Coalition, Trenton, New Jersey, October 10, 1984.
- "Medical Aspects of Childhood Lead Poisoning" - Migrant Health Workshop - Salt Lake City, Utah, January 18, 1985.
- "Relationship Between E.P., Iron Deficiency and Lead Poisoning", Workshop, Commonwealth of Virginia - Richmond, VA, August 29, 1985.
- "Diagnosis, Supportive Management and Chelation Therapy" - Current Issues in Pediatric Lead Poisoning - Chicago Department of Health - March of Dimes, Chicago, Illinois, May 3, 1985.
- "Children at Risk: The Impact of Lead" - Eastern Area Health Education Center, Greenville, NC, April 4, 1986.
- "Childhood Lead Poisoning", Grand Rounds - Rhode Island Hospital, June 6, 1986.
- "Current Perspectives - Future Directions", National Childhood Lead Poisoning Conference, Indianapolis, Indiana, December, 1987.
- "Lead Poisoning Prevention", Injury Control/Lead Poisoning Prevention Program, Chatham County Department of Public Health, Savannah, Ga, May 10, 1989.
- "Health Effects and Medical Management of Lead Poisoning", First Lead Poisoning Workshop, North Carolina Department of Human Resources, Raleigh, North Carolina, May 3, 1989.
- "Laboratory Issues in Childhood Lead Poisoning Prevention", Association of State and Territorial Public Health Laboratory Directors, Columbia, Md, November 1991.
- "Childhood Lead Poisoning", Committee on Children with Disabilities, Chicago, Ill, December 1991
- "Pesticides, Children, and Food Safety", Public Voice's 1992 Children and Nutrition Conference (Guiding Kids to a Healthy Life), Washington, D.C., January 1992.
- "Childhood Lead Poisoning", Division of Children's Health Grand Rounds, Richland Memorial Hospital, Columbia, SC January 1992.
- "Childhood Lead Poisoning Prevention" Trident Regional Hospital, Charleston, SC, May 1992.
- "Childhood Lead Poisoning", Grand Rounds, Orangeburg Regional Hospital, Orangeburg, SC June 1992.



"Clinical Answers: The Modern Approach", Metal Binding in Medicine--Lead/Cadmium Conference, Great Lakes Association of Clinical Medicine Meeting, Grand Rapids, MI, September 1992.

"Childhood Lead Poisoning", Annual AAP Meeting, San Francisco, CA, October 1992

Moderator for NIEHS Meeting, Triangle Research Park, NC, November 1992.

"Pediatric Lead Poison Prevention Continuing Education for Physicians", University of Medicine & Dentistry of NJ, School of Osteopathic Medicine, Atlantic City, NJ, November 1992.

"Medical Management Issues", Facilitator; National Childhood Lead Poisoning Prevention Conference, December 1992.

#### EXTRAMURAL PROFESSIONAL ACTIVITIES:

Get the Lead Out Committee  
Childhood Lead Poisoning Talk Forum, Channel 5  
Charleston Lead Poisoning Prevention Coalition  
Charleston Memorial Hospital Executive Committee

#### COMMUNITY SERVICE:

District Enrollment Director, SC District, Dartmouth College  
President, Kiwanis Club of Charleston  
Board of Directors, MUSC Childrens Hospital Fund

#### BIBLIOGRAPHY:

##### JOURNALS:

Lash J, Reigart JR, Studies in Ascidian Metamorphosis: Birefringence in Tail Epidermis", Biological Bulletin 129:395:1965.

Habercam JW, Keil JE, Reigart JR, Croft HW. "Lead Content of Human Blood, Hair, and Deciduous Teeth: Correlation with Environmental Factors and Growth". The Journal of Dental Research, 53:1160, 1974.

Reigart JR, Brueggeman JL, Keil JE, "Sodium Fluoracetate ("1080") Poisoning". American Journal of Diseases of Children, 129: 1124, 1975.

Harmon GE\*, Reigart JR, "Long-Term Follow-up of Survivors of Severe Acute Pesticide Poisoning". South Carolina Medical Association Journal. 71:253, 1975.

Reigart JR, Whitlock NH, "Longitudinal Studies of Blood Lead and Free Erythrocyte Protoporphyrin". Pediatrics, 57:54, 1976.

Cupp CM, Kleiwer G, Reigart JR, Sandifer SH, "Hypothermia in Organophosphate Poisoning and Response to PAM". South Carolina Medical Association Journal, 71: April, 1975.



Allen RC, Harley RA, Reigart JR, "Quantitative and Qualitative Studies of Protease Inhibitor Phenotyping by Isoelectric Focusing on Polyacrylamide Gel Slabs". (Abstract) American Journal of Clinical Pathology, 63:767, 1975.

Reigart JR, Graber CD, "Evaluation of the Humoral Immune Response of Children with Low Level Lead Exposure". Bulletin of Environmental Contamination and Toxicology, 16:112, 1976.

Chisolm JJ, Currant AS, Finbert AS, Hopkins DR, Lin-Fu JS, Piomelli S, Reigart JR, Houk VH, "Increased Lead Absorption and Lead Poisoning in Young Children. A statement by the Center for Disease Control". J. Pediatrics, 87:824 1975.

Penny LD<sup>+</sup>, Reigart JR, Loadhold CB, Taylor HL, "Variability in Response to Lead Exposure: Demonstration of a Genetic Influence". (Abstract), Pediatric Research, 11:438, 1977.

Whitlock N, Reigart JR, Priester L, "Lead Poisoning in South Carolina". SCMA Journal, 73:378, 1977.

Reigart JR, "Lead Poisoning". Hospital Medicine, 17:161 16J, 16N, 16P: August, 1981.

Trammel HL, Sandifer SH, Reigart JR, and Hurwitz GA (Abstract) "National Pesticide Telecommunications Network: A Specialized Poison Information Center", Veterinary and Human Toxicology, 23:52, 1981.

Reigart JR and Trammel HL. (Abstract), "Treatment of Acute Dapsone Intoxication in a Child by Pulse Dosing with Activated Charcoal". Veterinary and Human Toxicology. 23:58, 1981.

Thompson DF<sup>+</sup>, Trammel HL, Robertson NJ, and Reigart JR. "Telephone Evaluation of Regional and Non-Regional Poison Centers". New England Journal of Medicine. 308: January 27, 1982, Number 4.

Reigart JR, Trammel HL, and Lindsey JM, "Treatment of Symptomatic Dapsone Poisoning by Repetitive Activated Charcoal Treatment in a Child". Journal of Toxicology-Clinical Toxicology. 19:1061, 1983.

Reigart JR, and Trammel HL: "Plasma and Red Blood Cell Cholinesterase Levels are Poor Predictors of Cholinergic Symptomatology". Veterinary and Human Toxicology. 24:276, 1982. (Abstract).

Olanoff LS, Bristow W, Colcolough J, and Reigart JR. "Acute Chlordane Intoxication". Toxicology-Clinical Toxicology 20:291-306, 1983.



Trammel HL, and Reigart JR. "Acute Herbicide Intoxication". Clinical Toxicology Consultant. 5:56-69, 1983.

Rogan WJ, Reigart JR, and Gladen BC, "Association of Amino Levulinate Dehydratase Levels and Ferrochelataase Inhibition in Childhood Lead Exposure". The Journal of Pediatrics. 109:60-64, 1986.

Weist DB, ONeal W, Reigart JR, Brundage RC, Gillette PC, and Yost RL, "Pharmacokinetics of Ranitidine in Critically Ill Infants". Developmental Pharmacology and Therapeutics. Dev Pharmacol Ther 1989; 12(1): 7-12

Durand RP, Fincher RE, Reigart JR, Lichtenstein LS, Lancaster, CJ, and Levine JH "An Analysis of Third Year Medical Students' Abilities to Order Appropriate Diagnostic Tests and Procedures". Learning. Academic Medicine. 66(11):702-04, July, 1991.

Hammill WW<sup>\*</sup>, Reigart JR, Laver J, "Ehrlichia Canis Infection in a Child in South Carolina", Clinical Pediatrics, Clin Pediatr (Phila) 1992 Jul; 31(7):432-4.

Reigart JR, Chairman, Committee on Drugs, American Academy of Pediatrics; and Committee on Environmental Health, American Academy of Pediatrics, "Use of Chloral Hydrate for Sedation in Children" Pediatrics (In Press).

Reigart JR, Chairman, Committee on Environmental Health, American Academy of Pediatrics, "Lead Poisoning - From Screening to Prevention" Pediatrics, (In Press).

Reigart JR. Chairman, Committee on Environmental Health, American Academy of Pediatrics, "Ambient Air Pollution: Respiratory Hazards to Children", Pediatrics, (In Press).

#### BOOKS AND OTHER MONOGRAPHS:

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