

3 April 1980

MEMORANDUM FOR RECORD

SUBJECT: Wrist & Hand Exposure of [REDACTED]
[REDACTED] Ring Badge 043

1. On approximately 20 March 1980 subject reported to the RPO that he had performed a very lengthy fluoroscopy procedure and had forgotten to wear his extremity (TLD ring) badge. An investigation by the RPO yielded the following data: the procedure was an attempt to extract a gall stone, total fluoro time of approximately 50 minutes. This was an unusually difficult case even for the type of procedure being performed. It was estimated that the subject's hand may have been in the active beam for as much as 75% of the total fluoro time. The procedure was performed in Rm 6, Radiology, 3N, Bldg 500.

2. The RPO attempted to simulate as exactly as possible the conditions described by subject, in order to obtain dosimetry information. Using a fluoro phantom, the apparatus in Rm 6 was set to the techniques described by subject (68 kVp, automatic brightness control). The table has an overhead fluoro tube; it gave an output of approximately 7.5 R/min at 12 inches above tabletop (28 in source to chamber distance). The exposure at the presumed location of the subject's hand, approximately 6.1 R/min. (Differences in backscatter between the A1 phantom and an actual patient were not calculated).

3. The exposure to subject's hand depends, in exact proportion, upon the percentage of time that the hand was in the active beam. Based on the above dosimetry, an exposure up to 230 R (for 75% of total fluoro time) could have been received. This maximal value is the administrative dose which will be assigned by the RPO.

Harry M. Cullings
HARRY M. CULLINGS
1LT, MSC
Radiation Protection Officer

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in accordance with the Freedom of Information
Act, exemptions
FOIA 96-395

DISPOSITION FORM

For use of this form, see AR 346-15, the proponent agency is TAGCEN.

REFERENCE OR OFFICE SYMBOL

SUBJECT

HSF-ADJ

Duty Detail

TO SEE DISTRIBUTION

FROM

Cdr, FAMC

DATE 2 April 1981 CMT 1

1. Effective 2 April 1981, the below listed individual's
(Grade or Rank) (Name) SSN
Fitzsimons Army Medical Center, is detailed to the
(Current unit of assignment)

following duty: Radiation Protection Officer-1LT Harry M. Cullings

Alternate Rad Prot Officer-MAJ Michael D. Williams

2. Relieved from detail:
Until properly relieved
or reassigned.

DD 1141 Custodian-Carol E. Marshall
GS4

3. Authority: Para 4(d)(2), AR 40-14

4. Special instructions: NA

FOR THE COMMANDER:

George H. Touchard, Jr.

GEORGE H. TOUCHARD, JR.
Major, MSC
Adjutant General

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FAMC OVPT 8-146.2-ADJ, DEC 79

DA FORM 2496

REPLACES DA FORM 86, WHICH IS OBSOLETE

☆ U. S. GPO: 1977-0-749-124/182

Curriculum Vitae

NAME:

MICHAEL DUNCAN WILLIAMS

HOME ADDRESS:

[REDACTED]

OFFICE ADDRESS:

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Therapeutic Radiology
Fitzsimons Army Medical Center
Aurora, CO 80045-5001

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HOME:

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(303) 361-8648

SOCIAL SECURITY NUMBER:

[REDACTED]

FAMILY:

WIFE:

SONS:

[REDACTED]

EDUCATION:

UNDERGRADUATE: B.A. (Physics and Mathematics) June 1965
Jacksonville University; Jacksonville, FL

GRADUATE: M.S. (Nuclear Engineering) August 1970
University of Maryland; College Park, MD

GRADUATE: Ph.D. (Radiological Physics) December 1980
University of Florida; Gainesville, FL

SHORT COURSES: External Beam Dosimetry, Principles and Applications,
H.D. Anderson Hospital, July 1975

Advances in Radiation Therapy Treatment Planning, AAPM
Summer School, 1982

MILITARY SERVICE:

U.S. Army Direct Commission, 2LT, Medical Service Corps,
March 1966

Army Medical Department Officer Basic Course, Ft Sam
Houston, TX June 1966

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