

TO IP-
Please coordinate with
DOE on this fax to
inquire whether DOE/IAEA
plan to furnish requested
equipment. Advise the
Chairman's office in writing.
Thanks,
M.W.
3/26/99

NAT. NUCLEAR RES. INSTITUTE

GHANA ATOMIC
ENERGY COMMISSION
P.O. BOX LG. 80, LEGON
ACCRA-GHANA

FAX.0023321401272 400807

Fax

To: DR. SHIRELY ANN JACKSON

From: Prof. A.W.K. Kyere

Fax: 001 (301) 415-1757

Pages: 3

Phone: 001 (301) 415-1759

Date: 03/26/99

Re:

CC:

☐ Urgent ☐ For Review ☐ Please Comment ☒ Please Reply ☐ Please Recycle

Comments: Dear Madam,

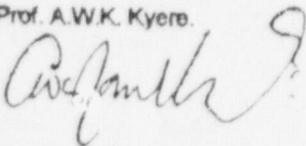
Following your visit to the Komfo Anokye Teaching Hospital in Kumasi and the various discussion with the hospital authorities I forward herewith a list of equipment that they think they will need for an efficient Nuclear Medicine Facility.

It is worth noting that the Kumasi Radiotherapy Project under GHA/6/009 is being funded by the US Government through the IAEA. It is hoped that this request will be kindly treated.

It is sad to let you know that the Otumfuo died only a few hours after our meeting with him. His funeral started on 22 March and ended on 25. Your group was the last visitors he entertained in life. This was echoed in his life history.

Warmest regards,

Prof. A.W.K. Kyere.



March 28, 1999

EQUIPMENT LIST

1. Radionuclide "dose" calibrators (Activity meters) - 2
2. Manual and automatic counting systems for gamma-radiation measurements *in vitro*.
- 1
3. Scintillation gamma camera-computer system (for general sue and whole body counting) - 1
4. Single Photon emission Computed Tomography System (SPECT). - 1
5. Contamination monitors (for hand, etc). - 4
6. Survey monitors - 4
7. Centrifuge - 2
8. Pocket personal dose monitors. - 6
9. Equipment for radiochromatography. - 3
10. Chromatography scanner. - 1
11. Single- and multi-probe counting systems for gamma-radiation measurements *in vivo*
- 1
12. Radionuclide generators and kits (Radiopharmaceuticals).
13. Scientific Microscopes for control of particles.
14. Phantoms
 - a. Flood-field phantom
 - b. Orthogonal hole transmission pattern (OHTP or SOH) phantom
 - c. Count-rate performance phantom
 - d. Resolution and linearity phantom
 - e. Step-wedge phantom
 - f. Total -performance phantom
 - g. Phantom for use with SPECT systems using rotating camera.

March 26, 1999

15. Calibration sources.

- a. sealed, low-energy, medium-energy, and high-energy gamma radiation sources (vial-type) calibrated to $\pm 5\%$ overall.

Uncertainty

^{57}Co , ^{133}Ba , ^{137}Cs , ^{60}Co , ^{226}Ra

- b. Sealed gamma radiation sources (rod-type and tube-type) calibrated to $\pm 10\%$ overall uncertainty: ^{129}I , ^{137}Cs .

- c. Sealed, medium-energy gamma radiation source (disc-type or rectangular type) calibrated to $\pm 10\%$ overall uncertainty: ^{137}Cs , ^{133}Ba .

16. Protected syringes - 5

17. Training for nuclear medicine physicist and technicians.