



The Manufacturers' Role in Radiation Protection: *End users' perspective*

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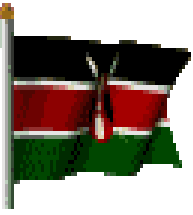
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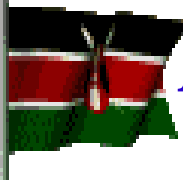




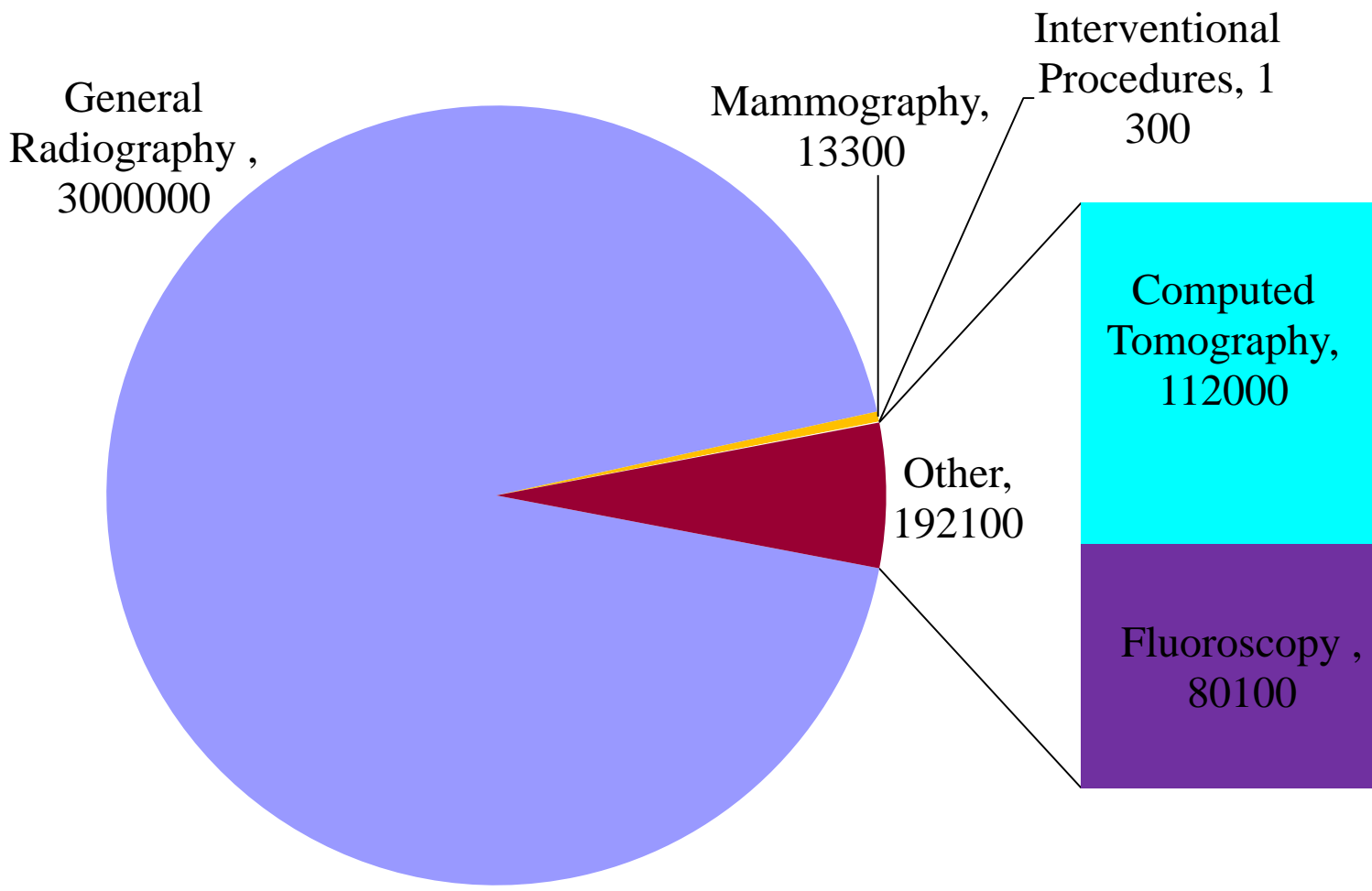
INTRODUCTION

- The human body anatomy and health issues are universal.
- Physicians can discuss any disease process without the physical contact with patient.





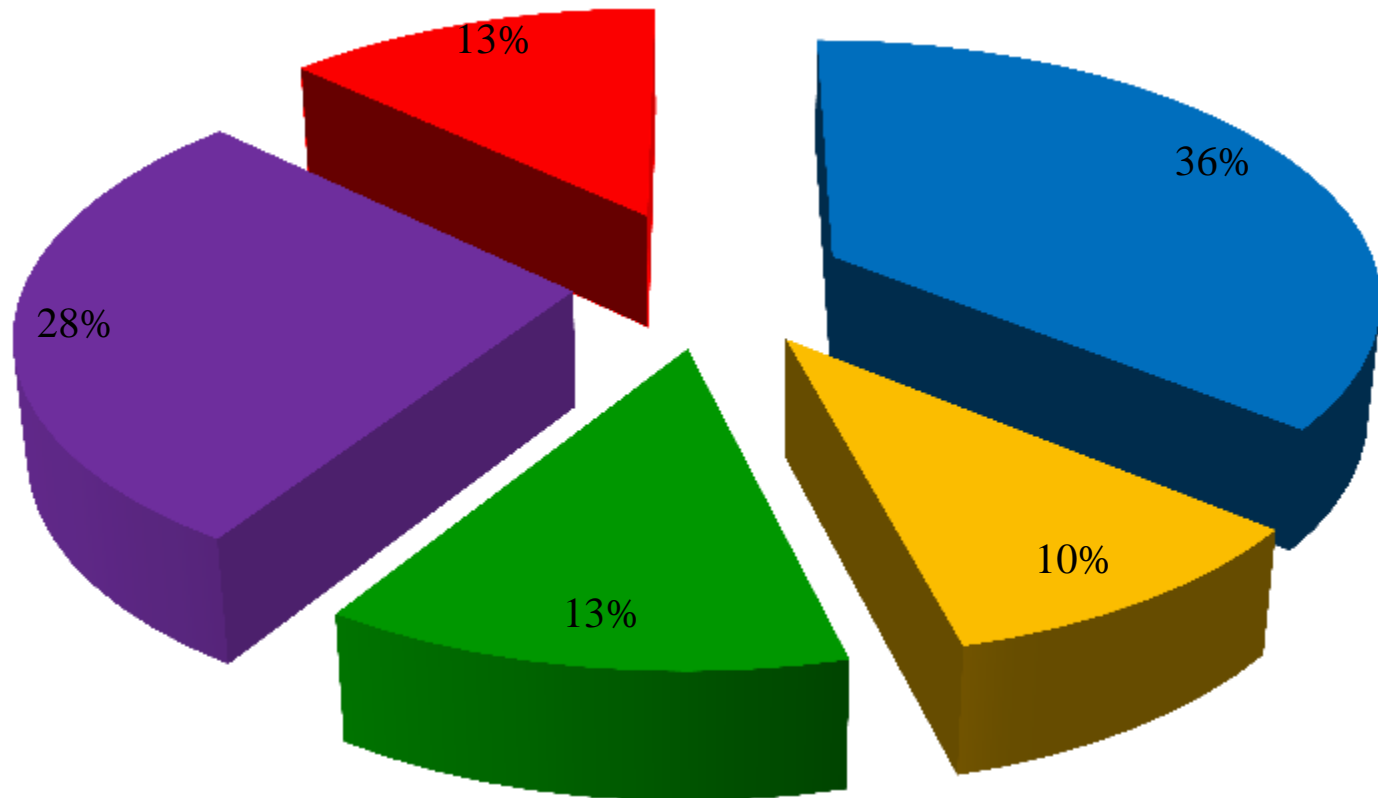
ANNUAL NUMBER OF EXAMINATIONS IN KENYA





Relative Frequency of Radiographic Examinations in Children (< 15 yrs)

■ Chest ■ Lumbar spine ■ Post Nasal Space ■ Extremities ■ Others





Radiology Practice

- The statistics indicate that per million people, we have 26 x-ray equipment, 5 Radiographers, 3 Radiologists, and 0.41 Medical Physicists.
- One equipment would perform 4000 examinations annually. Radiographer 189,300 and Radiologist 325,000 examinations. An x-ray procedure would be 82:1000 population per year.

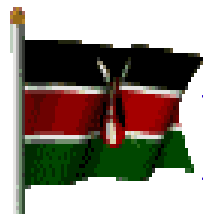




MANUFACTURERS' ROLE

- Should own responsibility of their branded equipment and track it through country regulatory bodies until it is decommissioned.
- Majority of countries have inadequate number of Medical Physicists to establish QA/QC programs. The manufactures should universally fit all equipment with dosimeters for real-time patient dose recording.





MANUFACTURERS' ROLE

- They should provide guidelines on how to assess the accuracy of PACS and DICOM structures in high dose procedures. This will enable Biomedical/maintenance Engineers and the Technologists to be involved in patient dose research and tracking.
- Participate and provide adequate training of the users in handling and understanding of application functions of the equipment.





THANK YOU

ASANTENI

VIELEN DANKE

