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physics division rpd was initially established in  
july 2002 as the division of medical imaging  
physics dmip with the recruitment of benjamin  
tsui and his 14 associates in 2018 george sgouros  
became director of the division

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facilities

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diagnosis and treatment of disease through their  
understanding of the underlying scientific  
principles of imaging and therapeutic processes  
they use this knowledge to perform or supervise  
technical aspects of procedures to ensure safe  
and effective delivery of radiation for  
diagnostic or therapeutic purposes

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radiology it provides in the form of a syllabus a  
comprehensive overview of the basic medical  
physics knowledge required for the practice of  
modern diagnostic radiology

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interactions of photons or particles with solids  
liquids and gases the primary transfer of energy  
is complex but well understood but the energy  
transferred then dissipates via secondary  
interactions with the target material

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mission is to certify that our diplomates  
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flow of atomic and subatomic particles and of  
waves such as those that characterize heat rays  
light rays and x rays all matter is constantly  
bombarded with radiation of both types from  
cosmic and terrestrial sources

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polytechnic u brooklyn 7 ionization and  
excitation ionization is knocking an electron out  
of an atom creates a free electron ion an atom  
with 1 charge occurs when radiated with energy  
above the electron binding energy excitation is  
knocking an electron to a higher orbit

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web feb 20 2016 the process by which images are  
produced involves the conversion of energy from  
one form to another

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medical physicist plays a number of essential  
roles in the radiology department these roles can  
be examined under the tripartite mission of a  
radiology department patient care teaching and  
research under patient care the role of a medical  
physicist involves quality and safety activities

*which include performing acceptance*

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