

## **RADIOTHERAPY REGISTRATION MANAGEMENT SYSTEM USING DATABASE SYSTEM**

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### **INTRODUCTION**

Radio Therapy Registration System records Radio Therapy treatment of a patient who have taken Radiation Therapy treatment on tumor and make a plan for the - 1 -future treatment.

The main purpose of this paper is to demonstrate the treatment records of a patient who have been treated for a tumor and provide database management for the radio therapy treatment. Thereby we can manage our patient data more faster and accurately.

### **METHOD**

We used personal computer with pentium 200MHz processor and Windows 95 as Operating System to obtain a good performance and easy access. We used Oracle DataBase Management System to obtain and store very huge patients data.

It has been programmed by MicroSoft Visual C++ 5.0. We used present patient chart of Catholic Medical Center Radio Therapy Dept.

This program could record medical treatment history of patients who are in treatment. As treatment made progress, we could upgrade all the changes. Our program can obtain patient's statistics which we have already recorded, and can easily get it as we select a menu item.

All the format and contents were designed by radiation oncologist.

### **RESULTS**

Our Radiotherapy registration system has been designed as tumor registry. For the purpose of convenience of data entry this was divided into several sections: patient information, disease-related information(diagnosis and stage etc.), data manage function (search, upgrade). Our registration system can be displayed together with supportive patient information(including photos, images, etc.)

### **DISCUSSION**

RADIO THERAPY REGISTRATION SYSTEM suggest various and easy method to manage patient's records, lessen complexities and saves much time to the users.

### **CONCLUSION**

As a result, using RADIO THERAPY REGISTRATION SYSTEM will helps us to manage our Radio Therapy Patients.