

مكتبة

**Simultaneous Platinol and 5-Fluorouracil With  
Field Within Field Boosting Technique in  
Management of Advanced Head and Neck Cancer**

**Thesis**

Submitted for the partial fulfillment of the MD Degree in Radiation  
Oncology and Nuclear Medicine

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



TO MY HUSBAND AND  
MY SON



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## List of Abbreviations

<b>2D</b>	Two Dimensional
<b>3D-CRT</b>	Three Dimensional Conformal Radiation Therapy
<b>5-FU</b>	5-Fluorouracil
<b>AF</b>	Accelerated Fractionation
<b>AJCC</b>	American Joint Committee on Cancer
<b>BEV</b>	Beam's Eye View
<b>bid</b>	Twice Daily
<b>BSO</b>	Buthionine Sulfoximine
<b>BTv</b>	Biologic Target Volume
<b>CF</b>	Conventional Fractionation
<b>cGy</b>	Centigray
<b>CHART</b>	Continuous Hyperfractionated Accelerated Radiotherapy
<b>CMT</b>	Combined Modality Therapy
<b>Co<sup>60</sup></b>	Cobalt 60
<b>CR</b>	Complete Response
<b>CT</b>	Chemotherapy
<b>CT Images</b>	Computerized Tomography Images
<b>DEF</b>	Dose Effect Factor
<b>EORTC</b>	European Organization for Research and Treatment of Cancer
<b>F/W</b>	Fractions per Week
<b>Gy</b>	Gray
<b>h</b>	hour
<b>HF</b>	Hyperfractionation
<b>IORT</b>	Intra-operative Radiation Therapy
<b>iv</b>	Intravenous
<b>KPS</b>	Karnofsky Performance Scale
<b>Linac</b>	Linear Accelerator
<b>L-Q</b>	Linear-Quadratic

<b>Mev</b>	Megaelectron Volt
<b>MV</b>	Megavolt
<b>NC</b>	No Change
<b>NEMROCK</b>	Kasr El Aini Center of Radiation Oncology and Nuclear Medicine.
<b>NPC</b>	Nasopharyngeal Carcinoma
<b>NTCP</b>	Normal Tissue Complications Probabilities
<b>PD</b>	Progressive Disease
<b>PLD</b>	Potential Lethal Damage
<b>PLDR</b>	Potential Lethal Damage Repair
<b>PR</b>	Partial Response
<b>PS</b>	Performance Status
<b>RT</b>	Radiation Therapy
<b>RTOG</b>	Radiation Therapy Oncology Group
<b>SCARF</b>	Split Course Accelerated Fractionation Schedules
<b>SCCHN</b>	Squamous Cell Carcinoma of Head and Neck
<b>SLDR</b>	Sublethal Damage Repair
<b>SSD</b>	Source Skin Distance
<b>TCP</b>	Tumor Control Probabilities
<b>TGF</b>	Therapeutic Gain Factor
<b>TGF<math>\alpha</math></b>	Transforming Growth Factor Alpha
<b>TIL</b>	Tumor Infiltrating Lymphocytes
<b>Tpot</b>	Potential Doubling Time
<b>vs</b>	versus
<b>WHO</b>	World Health Organization

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