

# 25<sup>th</sup> WORLD CANCER CONFERENCE

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## Holism and stereotactic body radiation therapy

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**H**olism is a new concept dealing with Stereotactic Body Radiation Therapy (SBRT) settings. SBRT experts concern with lessening organ toxicity. Use of DVH (dose-volume histogram) solely in SBRT treatment care plan/ protocols might cause grave consequences if other factors ignored. Correlation between specific injury and radiation dose is still uncertain. Sometimes there are discrepancies between studies in defining the injury. There is little known about most of the toxicity mechanisms. Use of biologically equivalent dose model is still controversial. It seems inevitable that SBRT delivery, patient factors (including comorbidities, patient's BMI, gender, habits, age, and ECOG PS score), tumor factors and treatment factors should carefully be examined.

### Biography

Mohammed Y Almaghrabi is a currently working as Radiation Oncologist at King Abdullah Medical City, Saudi Arabia. He is leading stereotactic radiosurgery/ stereotactic body radiation therapy task groups at the same hospital. He was Head of Radiation Oncology department at Prince Faisal Cancer Centre, Saudi Arabia. He has his research experience from University of Ottawa Canada and Nantes University, France. He has been a recipient of many awards and grants. He was selected as a Sectional Editor (Radiation Oncology, Biomarkers) for *Journal of Cancer Treatment and Diagnosis*, Reviewer for *British Journal of Radiology* and CARO annual scientific meeting. His research experience includes various programs, contributions and participation in different countries for diverse fields of study.

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