

2nd International Meeting on

Gynecology and Obstetrics Pathology

November 19-20, 2018 | Paris, France

Chemoradiation alongwith curcumin in the management of uterine cervical cancer



Ashok Kumar Chauhan

Postgraduate Institute of Medical
Sciences Rohtak, India

Introduction: The cervical cancer is the most common gynaecological cancer in the developing countries and leading cause of cancer related mortality in women globally. The majority of the women in the under developed and developing nations present in locally advanced stages. The combination of radiation and chemotherapy is the standard of care in locally advanced cervical cancer. However, the toxicity is a matter of concern. So attempt has been made in this prospective study to use curcumin as radiosensitizer and at the same time as protector of the normal tissues.

Material and Methods: The study has been conducted in 80 women having stages of IIB to IVA by randomly dividing them in two groups. The patients of both the groups received External Beam Radiotherapy with dose of 50 Gy in 25 Fractions along with Cisplatin 40mg/m² weekly for five weeks. This was followed by three fractions of High Dose Rate brachytherapy with a dose of 6 Gy per fraction. The patients of group-I only received Curcumin 4gm per day

Results: After six weeks of completion of treatment the patients were evaluated for response to treatment as per WHO criteria. There was complete response in 72% in group-I and 66% in group-II. The patients who received curcumin experienced less cutaneous and mucosal reactions. The patients have been followed up for 4 years.

Conclusions: The follow-up at 4 years of follow-up shows advantage for those treated with curcumin in terms of overall survival.

Biography

Ashok Kumar Chauhan is currently working as Director, Professor and Head Radiotherapy Unit-II, He worked as Professor in Department of Radiotherapy, PGIMS, Rohtak .He attended and participated in 80 national and international conferences. He is author/co-author to 45 papers. He Published articles in nearly about 90 National and international journals. He also attends as an examiner for Postgraduate examinations in various universities in India. He is a Supervisor for 28 Post graduate students for thesis/ dissertation. He is Life member of Association of Radiation Oncologist of India (AROI) and many other societies and associations.

drchauhanashok@yahoo.co.in

Notes: