

Potenziamento dell'attività terapeutica dei farmaci antitumorali per mezzo della iperossigenazione regionale

[The therapeutical activity of antitumor drugs potentiated by means of regional hyperoxygenation]

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Summary

Hyperoxygenation of neoplastic tissues is to be considered as an important factor for potentiating antitumor activity of chemotherapeutic drugs. The authors of this paper describe the method of regional hyperoxygenation obtained by means of intra-arterial infusion of hydrogen peroxide associated with antimitotic substances. The study we are referring to was carried out in 34 patients suffering from large neoplasms affecting the cervicocephalic region which are thought of as being poorly responsive to therapy. An objective regression of the disease was obtained in 19 cases (55,7 %). This method is indicated either for palliative treatment of relapsing forms, especially after radiotherapy, or as a first chemotherapeutic step for a radical treatment of slowly growing torpid forms.