

## **La radioterapia dei tumori in condizioni di iperrossigenazione regionale**

**[tumors radiotherapy under regional hyperoxygenation]**

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### **Summary**

After a brief analysis of the physiological and radiological aspects of the irradiation under hyperoxygenation, the authors describe the technique of intraarterial infusion of hydrogen peroxide contemporary to external irradiation they have employed in 65 patients. Data about tolerance and complications of the method are discussed. The analysis of results obtained in three groups of patients with different tumors allow the authors conclude that the intra-arterial infusion of hydrogen peroxide is a useful method to increase the oxygenation of a tissue to be irradiated if the equipment for hyperbaric breathing of oxygen is not available.