CRYOGENIC SURGERY & CRYOGENIC TECHNIQUES

Yue-Hou Cai, Quan-Sheng Shu et al.

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Due to the close integration of medical science and cryogenic technology, the Cryosurgery has been successively applied in various clinical departments and provided various unique advantages. Using an appropriate freezing function, good therapeutic effects are obtained for the nerve tissue. Freezing can freeze liquid or jelly, such as hemangioma, cataract (lens) into ice cubes, making this type of operation simple, quicker and safer. Cryo-resection of liver, pancreas and other solid organs' lesions or tumors will not damage normal tissues and functions. The depth of hypothermia damage can be strictly controlled, so it can be used for cryo-pituitary resection, treatment of chronic cervicitis (cheap), destruction of the prostate, palliative or complete destruction of malignant tumors on the skin surface or body cavity, and even bone tumors. This book introduces the development, principles & experience of cryosurgery and the related cryogenic technology.

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