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Battles that gain to the cancer in x-ray and pharmacology to him The fight against the cancer is a sum of small battles with which it has been able to increase the survival of many patients, in stages even advanced of the disease, thanks to the advances that have taken place with the surgery and in the last years in pharmacology and x-ray. Two of the new arms for the cancer are already to disposition of the patients with the approval on the part of the Ministry of Health of a medicine to deal with the cancer lung and the installation in Madrid of the first equipment of Tomoterapia, that allows to better broadcast and of more precise form tumors to which it was not possible to be acceded with the conventional x-ray. People in charge of the equipment of the Madrilenian Institute of Oncología affirm that the new equipment, installed in the Clinic the Miraculous one, supposes a very effective tool in the fight against the cancer, thanks to the outpost technology of the machinery, of which only there are other two equal ones in all Europe and that soon will settle also in the Hospital Iron Door. The new technique could make reality the dream turn certain tumors, before considered terminal, in chronic diseases, one of the most hopeful expectations in many oncológicos processes. The Tomoterapia is indicated mainly for tumors of lung, spine, head, neck and brain, all of them vital organs where the classic x-ray could affect zones critics of healthy weaves. One is the same philosophy that exists for the therapeutic boarding which it obtains the new medicine approved for the lung cancer, that responds to a new more selective drug generation, than do not attack the cells of indiscriminate form, with which are reached better results and many adverse effects are reduced. Professor Roman Perez To be accustomed to, of the Medical Center Montefiore of New York, explained to EFE that has been managed to increase the survival of some patients and who the tablet works better in the patients with lung cancer which never they have smoked, although also is effective in almost a 80% of the pulmonary tumors due to the tobacco. The results with the new drug are very hopeful and in addition they allow that the patient receives the treatment in his house, in a comfortable oral administration the day once. The advance is significant also because it will animate to many investigators to study new biochemical morning calls to treat these tumors and to that the pharmaceutical industry invests more money in looking for effective treatments. Roman Perez, Spanish oncólogo that works from years in the United States in the investigation of the treatment of the lung cancer, affirmed that for only ten years this era a field that as soon as he aroused scientific interest because the expectations were very depressing, but the present perception is that it can have new advances in very just a short time. One of the objectives of new drugs is to act on the tumorlike cells and to destroy them, something that is not

obtained with the classic chemotherapy, that is administered in the hospitals and that much toxicity has. The tumors can be classified from a morphologic point of view and place where they are located, and can seem equal, but they have many differences, like the children when being born, that they can absolutely be similar without being it, according to the resemblance chosen by the oncólogo Roman Perez. In spite of the advances, the cancer is the second cause of death in Europe behind the cardiovascular diseases and first in minors of 50 years, and the oncólogos insist on which there are to improve the prevention and the precocious detection. Tumors have some types of that is very difficult to detect and that when gives face they can to be too much developed to have good prognosis, as it happens with many tumors of lung, that are cured only in 15% of the cases, percentage that could arrive at 80% if the detection were always in very precocious stages.