Status Report of the HIMAC Accelerator Facility, N. ARAKI, A. ITANO, M. KANAZAWA, K. KAWACHI. A. KITAGAWA. M. KUMADA, T. MURAKAMI, K. NODA, H. OGAWA, Y. SATO, E. TAKADA, M. TORIKOSHI, S. YAMADA, J. YOSHIZAWA, NIRS, and K. UEDA, AEC HIMAC has been operated for the last two years with only two non-scheduled down for clinical irradiation. Treatment of about 100 patients were completed by using carbon beam. The ECR ion source is used for C4+ beam and is quite stable. The injector linac had few troubles with rf power system, but provided 6 MeV/u beam to synchrotron and experiments. The two synchrotron rings have been reliable in supplying the beam for medical treatment, which uses beams at 290, 350, 400, and 430 MeV/A with typical intensity of 3E8 pps. Dual ring scheme allowed minimizing the cancellation of treatment caused by an accidental coil breakdown of septum magnet. The beam delivery system runs also well, and switching the beam from one treatment room to another takes less than 5 minutes, essentially. Physics and biology experiments have also been carried out with various ions. New improvement is now being planned and installed in part: The third ion source and the system to allow 'time shared' acceleration at the linac, rf-knock-out extraction to advance the quality of clinical irradiation, radioactive beam line to utilize PET technology.