This study aims at the construction of a manual, describing the steps that should be followed by the nurse in the MRI unit. The present study consisted of three stages. The first started with the assessment of nursing staff knowledge working in the MRI unit. The second stage represents need assessment and orientation to prepare an educational program for the nursing staff working in MRI unit and how to provide the appropriate health care. In the third stage, the evaluation of the effect of the educational program on the type of nursing care provided. The study was performed in the MRI unit at AL-Razi General Teaching Hospital in Mosul city, for the period from the first of October 2002 to the first of December, 2003. The Sample of the study included (20 subjects) of nursing staff used to work at the above unit. The result of the study showed that the quality of nursing care did not reach the desired level due to the deficiency in the level of the nursing staff, which was represented by the lack of information about MRI concerning their knowledge and its effect on the type of nursing care. In addition, the results revealed that the educational program has great and positive impact in improving the type of nursing care. Based on the above results, this study recommends the necessity for a specialized nursing care when dealing with such units and the importance of the continuous development of the nursing care through well prepared educational program.