This bachelor thesis deals with one of the crucial roles of the medical staff in the operating theater - the issue of ensuring patient safety and quality of nursing care during the perioperative period on central operating theaters of the University Hospital in Hradec Králové and Liberec Regional Hospital from the perioperative nurses point of view. The core of the empirical part consists of quantitative research in the area of compliance with the measures to ensure the safety of patients during their stay in the operating room. Research data were obtained thanks to the understanding of perioperative nurses from operating theatres of the above mentioned hospitals. Based on the data, analysis was conducted with interpretation of results and several measures aimed mainly to improve the safety of patients during the perioperative period and the prevention of adverse events are proposed.