Abstract: Introduction and aims: One of important aims of hospital infection control committee is prevention of nosocomial infection by identification of sources and transmission route of infection. Role of microbiology laboratory is undeniable in detection, control, and nosocomial infections surveillance. With regard to accurate microbial identification of nosocomial infections, one of basic and important actions in microbiology laboratory is accurate microbial identification and performance of quality control management in pre-analytical, analytical, and post-analytical process. Aims of this study were to determine of isolated bacteria by sampling from hospital environment, medical equipment, and another sites by performing of above mentioned programs.

Research procedure: In 4 years period, from 1386 to 1389 hospital environment, medical devices and other sites, were screened for isolation of bacteria, using quality control management in above mentioned process. Then study, went on bacterial identification, reporting and discussion on importance of isolated bacteria and prevention of bacterial transmission in hospital infection control committee. From 2140 specimens, bacterial agents were isolated using standard procedures and all of data, isolation percent, bacterial types were recorded in questionnaire by performing of needed documentation and statistical programs.

Discussion and conclusion: 441 (20%) pathogenic and environmental bacteria (from 2140 screened specimens) were isolated with definite percent, as follow: 90 (20.5%) Enterobacteriaceae family, 113 (25.6%) Gram positive rods, 202 (45.8%) Micrococcaceae family, 8 (1.8%) Streptococcaceae family and 28 (6.3%) non-fermentative rods. This study showed that the isolation of bacteria was decreased, significantly, year by year; this preference was related to accurate perception of our hospital staff about nosocomial infection importance and performing of quality control management in above mentioned process.

Quality Control Management, Nosocomial Infection
Presentation: Poster