

UNC Health Care System  
 Report to the Medical Staff of the Executive Committee  
 Medical Devices Safety Subcommittee  
 2009 Annual Report

**Medical Engineering**

2009 Preventative Maintenance Completion Rate	
January 1 – March 31	89.5%
April 1 – June 30	97.2%
July 1 – September 30	97.5%
October 1 – December 31	96.9%

Number of Errors Reported with the Abbott Infusion Pumps	
January 1 – March 31	84
April 1 – June 30	117
July 1 – September 30	102
October 1 – December 31	117

**Risk Management**

Equipment Problems Reported to Risk Management			
Quarter	No Injury	Temporary Injury	Permanent Injury
January 1 – March 31	46	6	1
April 1 – June 30	30	4	0
July 1 – September 30	48	3	0
October 1 – December 31	40	5	0

**Plant Engineering**

Time Period	Number of Preventive Maintenances Scheduled	Number of Preventive Maintenances Completed
January 1 – March 31	1726	1726
April 1 – June 30	1767	1767
July 1 – September 30	1907	1907
October 1 – December 31	1926	1926

Other Agenda Items

Several issues were reported that required on-going follow up. Surgical instruments continue to be a problem in the OR, either from not being properly processed when cleaned or the trays being incomplete. Also problems with the Phillips monitor connectors occurred. Phillips agreed to redesign the connectors and at their expense is replacing the prongs on the connectors. A problem was reported with the S Series of the Davinci robotics instruments breaking pre-maturely. This instrument should last ten times but many times are only lasting four or five times. This has been reported to the FDA

and the manufacturer. Also reported was a bad batch of Rapid RSV testing cassettes resulting in false positives which affected 34 patients; however, none of the children experienced any severe side effects from the testing. Remediation was conducted to prevent recurrence. Bulk oxygen storage has continued to be monitored since construction began on Emergency Room Drive. Because utility work was being performed over the top of the Hospitals' oxygen lines which relay oxygen from the tanks to the Hospitals, there were significant discussions of how to create redundancy in the event the line was compromised. There were discussions about possibly adding a second bulk tank; however, identifying a location has been problematic. The bulk oxygen storage tank repairs have now been completed and a redundant line 50 feet away from the original lines is now in place. The connection of the new set of lines was connected without any problems occurring. Also, work continues on plans to increase electrical outlets in the OR's. Plant Engineering reviewed the electrical outlet designs to increase the number of electrical outlets available in the operating rooms. Just under \$1,000,000 was allocated for the project, with the highest patient volume operating rooms taking priority. Renovations are scheduled to begin in June 2010.