

Table 1 The over all distribution of MRSA from three hospitals in Kerbala City

Collection Sites	Total No. collected samples	Total No. of MRSA	Percentages
Equipments	271	32	12%
Patients	244	44	18%
Nursing staff	122	22	18%
Total	637	98	15.4%

Table 2 The distribution of MRSA in three hospitals of Kerbala City

Hospital Name	Collection Site	Total Number of Samples	Number of Isolated MRSA	Percentage
Maternity Hospital	Equipments	40	9	22%
	Patients	85	16	18%
	Nursing Staff	22	7	32%
Al-Hussein General Hospital	Equipments	131	12	9%
	Patients	78	14	18%
	Nursing Staff	34	6	17.5%
Pediatrics Hospital	Equipments	100	11	11%
	Patients	81	14	17%
	Nursing Staff	66	9	13.5%
Average	-----	637	98	15.4%

**Table 3 Exposure of MSSA to different sub-lethal doses of antiseptics /disinfectants in Karbala hospitals,
AL-Husseiny, Maternity and Paediatrics Hospitals**

Antiseptic/ Disinfectant	MIC (mg /ml.)	Sub-lethal Concen- tration (mg/ml.)	No. of MSSA Exposed	No. of MRSA Detected ± SD **	Percentage
Formaldehyde (37%)*	24.5	12.25	420 ±95	289±84	68%
Alcoholic Iodine (2%)*	1.2	0.6	1211 + 159	884 ± 181	72%
Hixsatan (4%)*	40.0	20.0	126 + 50	64± 11	50%
Iodine (10%)*	12.5	6.25	286 + 50	233 ± 25	81%
Ethyl alcohol (99%)*	24.5	12,25	1250+ 130	714 ± 67	57%
Chlorine (6%)*	1.5	0.75	230 ± 21	157 ± 19	68%

*The actual used concentrations in distinction methods in the screened hospitals.

** SD: Standard Deviation

