

Research Article

Open Access

Prevalence of Surgical Site Infections in Non-Diabetic Patients Undergoing Major Surgery at St. Francis Hospital Nsambya

Magezi Moses*

St. Francis Hospital Nsambya, Uganda

Introduction

 $[1, 1] = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix}$ •** • • •]>• •]>. • • •1 **√**²[. >]],],], <u>,</u> , , <u>,</u> , , • 1•] 4⁴ 3³ 4² 3 4 L 1 ել ՀՀ գենքի պարչուլ ∬ v ···, ³, ⁴, ⁻], ⁴ •]•. 4 . 4%-3 .4% 3,4[. • i .]e , j _ _ _ _ _ _ _ _ _ _ ... ् । 🖡 • •]>•• -10 111 · . · · · · · · · · **, 1**]..., 1. ,.,]», ,».]. ,]ĵ **_}, , ,** , 1. **4** 1. . [,],],], ,, ,],], , , [], , , [],], , , [] - 2.% 322 •]• 40 0 × 10].. . 2. $\begin{bmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1$. . .

Methods

*Corresponding author: Magezi Moses, St. Francis Hospital Nsambya, Uganda, E-mail: Laparoscopy2011@gmail.com

Received August 29, 2016; Accepted October 04, 2016; Published October 15, 2016

Citation: Moses M (2016) Prevalence of Surgical Site Infections in Non-Diabetic Patients Undergoing Major Surgery at St. Francis Hospital Nsambya. J Med Imp Surg 1: 108.

Copyright: © 2016 Moses M. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

		SSI				
Variables		Yes* n% ÞMÁI€	No n% ÞÁMÁT€	OR	(93%CI)	P Value
Age in years Mean(SD) 4066(1814)	<20	5 (12.5%)	12 (12.0%)	0929	0.756-1.142	0.5
	21-30	7 (17.5%)	30 (30.0%)			
	31-40	11 (27.5%)	15 (15.0%)			
	41-50	6 (15.0%)	13 (13.0%)			
	51-60	4 (10.0%)	15 (15.0%)			
	61-70	1 (25%)	12 (12.0%)			
	>71	6 (15.0%)	3 (3.0%)			
Sex	Male	29 (72.5%)	61 (610%)	1.686	0.756-3759	0.2
	Female	11 (27.5%)	39 (39.0%)			
Co-morbidity	None	15 (37.7%)	63 (63.0%)	1.251	0.997-1370	0.05
	H1N	4 (10.0%)	16 (16.0%)			
	HIV/AIDS	14 (35.0%)	10 (10.0%)			
_	Malignancy	3 (7.5%)	7 (7.0%)			
-	Others	4 (10.0%)	4 (4.0%)			
a	Yes	19 (47.5%)	24 (24.0%)	2.865	13246.199	0.008
Smoking	No	21 (52.5%)	76 (76.0%)			
ÓTũ	<18	0 (0%)	5 (50%)	0.766	0.443-1.324	0.34
	18-25	18 (45.0%)	49 (49.0%)			
	25-30	20 (500%)	39 (390%)			
	>30	2 (5.0%)	7 (7.0%)			
Education	Non	8 (2.0%)	23 (23%)	0947	0.741-1.212	0.7
	Primary	8 (22%)	22 (22%)			
	Secondary	15 (37.3)	32 (32%)			
	Tertiary	9 (22.5)	23 (23%)			

Table 2: Patient factor associated with SSI at Nsambya Hospital.

Note: SSI: Surgical Site Infection

	SSI		OR	(95% CI)	P-Value
Procedure	Ÿ^∙Á}ÁÇÃDÁÞMI€	Þ[₩Å}ÅÇÃDÅÞMF€€	1(07)	1011-1.189	0.03
Appendicectomy	1 (25%)	6 (60%)			
Appendicectomy and peritoneal lavage	4 (10.0%)	1(1.0%)			
Repair of perforation and thorough lavage	7 (17.5%)	1 (1.0%)			
Division of bands and adhesivelysis	1 (25%)	4 (4.0%)			
Resection and primary anastomosis	6 (15.0%)	8 (8.0%)			
Cholecystectomy	0 (0.0%)	3(3.0%)			
Herniorrhaphy	4 (10.0%)	13 (13.0%)			
Hemioplasty	2 (5.0%)	5(5.0%)			
Mastectomy	0 (0.0%)	4 (4.0%)			
Thyroidectomy	0 (0.0%)	4 (4.0%)			
Open prostatectomy	0 (0.0%)	4 (4.0%)			
Thoracotomy	0 (0.0%)	7(7.0%)			
Craniectomy	3 (75%)	7(7.0%)			
ORIF and laminectomy	10 (25.0%)	22 (22.0%)			
Exploratory laparotomy	2 (5.0%)	7 (7.0%)			
Others	0 (0.0%)	4 (4.0%)			

Note: ORIF: Open Reduction and Internal Fixation

Table 3: Procedures done and SSI rate at Nsambya Hospital.

 $= \]_{1}]_{1} [_{1}]_{2} [_{1}]_{2} [_{1}]_{3}$

₹• •
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1</t

Variables		5	SSI	OR	(059(01)	P- Value
Varia	bies	Ϋ́^•Å}ÃÅÞΜI€	No n% ÞMF€€	OK	(95%CI)	P- value
	<24	26 (65.0%)	71 (71.0%)	0.824	0.573-1.184	0.3
_	2448	5 (125%)	17 (17.0%)			
Pre-operative	48-72	6 (15.0%)	8 (80%)			
Asa	72-06	2 (5.0%)	1 (10)			
	>96	1 (25%)	3 (30%)			
Captio focus	Yes	4 (10.0%)	9 (90%)	1.123	0.325-3.880	0.854
Antibiotic use	No	36 (90.0%)	91 (91.0%)			
A	Yes	39 (975%)	94 (94.0%)	2.489	0.290-21.364	0.4
Antibiotic use	No	1 (25%)	6 (6.0%)			
Antibiotic use	I	5 (125%)	50 (50.0%)	0.381	0.246-0.588	0.001
	II	14 (35.0%)	29 (29.0%)			
	III	14 (35.0%)	18 (18.0%)			
	IV	7 (17.5%)	3 (3.0%)			
	<4000	3 (75%)	7 (7.0%)	0.238	0.107-0.529	0.001
-	4000-11000	19 (47.5%)	83 (83.0%)			
	>11000	18 (45.0%)	10 (10.0%)			
Neutrophil	<40%	3 (75%)	2 (20%)	0.311	0.111-0.874	0.001
	40-74%	27 (67.5%)	94 (94.0%)			
	>74%	10 (25.0%)	9 (90%) 1.123 0.325-3.86 91 (91.0%) 2.489 0.290-21.3 6 (6.0%) 2.489 0.290-21.3 50 (50.0%) 0.381 0.246-0.56 29 (29.0%) 1 1 18 (18.0%) 1 1 7 (7.0%) 0.238 0.107-0.52 83 (83.0%) 1 1 10 (10.0%) 0.311 0.111-0.87 94 (94.0%) 4 (4.0%) 1 8 (87%) 13.489 5.162-35.2 83 (90.2%) 1 1			
	<35	22 (56.4%)	8 (87%)	13.489	5.162-35.250	0.001
Albumin*	35-55	17 (43.6%)	83 (90.2%)			
	>55	0 (0%)	1 (1.1%)			

By laboratory workup preoperative

 $\begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 2 & 3 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 & 1 \\$

Intraoperative factor associated with SSI at Nsambya Hospital

ب د مهااو ۱۹۹ ز د ما مرا د (د ما مرا به مرا به د مود. م از مار مرا به دار ما د مارد مارد (مار مار مرا مار

 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1

 $\begin{array}{c} & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & & \\ & & & \\ & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\$

 $\begin{bmatrix} 1 & 1 & 1 & 2 \\ 0 & 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 0 & 1 & 1$ 5 · 4. . . 4. 1, -3 1 ي (دو برجوني هذا جو جو جو الهري الي جو محرد خران (درجو برجو بر , , , , ,] • , ,] • , 2 , 0, ... 2 , • · 2 • , • 0 ,] • ,] • ,] • ,] • ,] •].], [, *, *,], *, ... *,], *, *, 12-, 24-، [۵] ه. [۲] المربح، [۲] ۵۵ اله من من المربح، [۲] ۵۰ الم

 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...

 ...
 ...
 •]

 $\begin{bmatrix} 1 & 3 & 3 & 3 & - & \\ 3 & 4 & 1 & c & co & a^{2} e^{-} \end{bmatrix} = \begin{bmatrix} 1 & - & 1 & - & 3 & - & 3 \\ 0 & 1 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 1 & 1 \\ 0 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 3 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & - & 2 & - & 3 \\ 0 & 1 & - & 2 & - & 3 \end{bmatrix} = \begin{bmatrix} 1 &$

- Fehr J, Hatz C, Soka I, Kibatala P, Urassa H, et al. (2006) Antimicrobial prophylaxis to prevent surgical site infections in a rural sub-Saharan hospital. Clin Microbiol Infect 12: 1224-1227.
- 31. Evans RP (2009) Surgical site infection prevention and control: An emerging Úælæåi* { ÉlRkÓ[}^ÅR[i}ckÙ` |*ÅŒ { ÅJFK/GEJE
- 32. Campos ML, Freitas PF (2001) Suitability of the NNIS index for estimating • ` ! *i&ælĒ•ic^\i}.^&ci [}Åli• \ \ \ &ckakle { æ||Å ` }ic^\!•ic^\{@ [•] icæl\i}.\ \ do !æ:i]E\u] -^&clÔ[}c! [|Å Hosp Epidemiol 22: 268-272.
- Karunakar MA (2010) Does stress-induced hyperglycemia increase the risk of perioperative infectious complications in orthopaedic trauma patients? J Orthop Trauma 24: 752-756.
- 34. ξkŒŁŚÓ^•e(h\ÙŠĖKÖ^•e([} AkĒkŪœis) kŪÓkG€F€DkÚ [•c[] ^\æxiç^k@^] ^\Ē*|^&æ^ { iæk and surgical site infection in general surgery patients. Arch Surg 145: 858-864.
- Vogelzang M, Van der Horst IC, Nijsten MW (2004) Hyperglycaemic Index as a Tool to Assess Glucose Control: a retrospective study. Crit Care 8: 122-127.
- 36. Üæ { [•Å TÅ S@æ]]^^ ZÅ ŽÅ Ši]•ic:Å ÙÅ Ùc^i}à^*Å RÅ Úæ)i:æ]^•Å T VÅ ∿d æ]Å ÇG€€ÌDÅ Relationship of perioperative hyperglycemia and postoperative infections in patients who undergo general and vascular surgery. Ann Surg 248: 585-591.
- 37. Šæ:æ¦Á PŠĖÁ Ô@i] \i}Á ÙÜĖÁ Øic: *^¦æ|åÁ ÔŒĖÁ Óæ[Á ŸĖÁ Ôæà¦æ|Á PÉÁ ^chæ|ÈÁ ÇG€€ I DÁ Vi*@ch

glycemic control in diabetic coronary artery bypass graft patients improves perioperative outcomes and decreases recurrent ischemic events. Circulation 109: 1497-1502.

- 38. Xæ}Åå^}ÅÓ^!*@^ÅÖÅYä { ^!&EÅP^! { æ} •ÅÖÅT^^!••^ { æ}ÅYÄY [čc^!•ÅÚRÄ/<kæjÅ (2006) Intensive insulin therapy in the medical ICU. N Engl J Med 354: 449-461.
- Anguzu J, Olila D (2007) Drug sensitivity patterns of bacterial isolates from septic Postoperative wounds in a regional referral hospital in Uganda. African Health Sciences 7: 148-154.
- 40. Œ}å@[*ækkkiTæi\` {ækûÜkiYæ}^[}`ikZùtkŒ^` { àækÖÜtkiSæ\æikÜkçG€€GbkŒ^! [ài&ki pathogenic bacteria in post-operative wounds at Moi Teaching and Referral Hospital. East Afr Med 79: 640-644.
- 41. Degoke AA, Okoh AI, Jacob S (2010) Studies on multiple antibiotic resistant àæ&c^\iæ|Åi•[|æc^åÅ-¦[{ Å•`¦*i&æ|Å•ic^Åi}-^&ci[}ÈÅÙ&i^}ci,&ÅÜ^•^æ¦&@Åæ}åÅÒ••æ^•Å 5: 3876-3881.
- 42. S@[!çæ•@k ØÉ! T [àæ•@^!å:æå^@k ÜÉ! Ó^@tædik TÉ! Þæ^å}å! ŒÒÉ! Ü [•æ { åk ÜÅ çG€€ÌDk Antimicrobial susceptibility pattern of microorganisms involved in the]æc@[*^}^•i*k[-k•`!*å&ælk•ic~ki}-^&di [}kÇÜÜ@tk!Úæ\kRkÓi[|kÜ&ikFFkIFJI€EFJIIE