

Supplementary Materials

Knowledge, Occupational Health and Environmental Awareness About Inhalational Anesthetics Among Surgical Staff

Chiamaka Chikwem*, Joseph O. Olasan, Chizoba S. Onuora, Chiadikobi F. Mbagwu, Osinachi M. Ozioko, Paul N. Emwanta, Sandra M. Iornumbe

APPENDIX

QUESTIONNAIRE

A. Demographic characteristics of Respondents

1. Age:
a. 21-30 b. 31-40 c. 41-50 d. 51-60 e. Above 60
2. Gender:
a. Female b. Male
3. Profession:
a. Surgeon b. Nurse c. Anaesthetist d. Biomedical Engineer e. Healthcare Assistant/Technician
4. Educational Qualifications:
a. MBBS b. RN++/B.Sc. c. B.Sc/B.Tech/HND d. RN/RN+ e. Others
5. Years of experience in the OT: a. 0-5 years b. 5-10 years c. Above 10 years

B. Knowledge and perception of Inhalational anaesthetics (IAs), technical and personal protective measures in the OT

6. Can Inhalational anaesthetics pollute the operating room? Yes/No/I don't know
7. Which of these are the adverse effects of inhaling waste (leaked) IAs? (choose as many options as you wish):
a. Nausea and/or vomiting b. Headaches c. Mood swings d. Miscarriages
e. Respiratory disorders
8. What can be used to remove waste IAs that leak into the operating room? B. Are they available in the OT? Yes/No/I don't know
- 9a. Have you heard of an Air filtration or anaesthetic gas scavenging systems before? Yes/No/I don't know b. If yes, what are they?
10. What are the means through which IAs can pollute the operating room? (choose as many options as possible):
a. Faulty anaesthetic machine b. Wrongly installed scavenging system
c. Poor maintenance of anaesthetic gas scavenging system d. Faulty scavenging system e. Others
11. Do you think that the ventilation and air conditioning in the operating room is adequate? Yes/No/I don't know
12. Which policies and measures for the prevention or control of pollution of the operating theatre should be addressed? (choose as many options as you wish):
a. Adequate air conditioning and ventilation
b. High efficiency air filtration systems
c. Standard smoke and anaesthetic gas evacuation systems
d. Review and upgrade of various operating theatre equipment and SOPs
e. Training and retraining of surgical staff on how to improve the indoor environmental quality and safety of operating theatres.