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| <b>Title</b>    | Drug resistant <i>Staphylococcus aureus</i> in clinical samples at Kampala International University-teaching hospital, Bushenyi District, Uganda.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Authors</b>  | Janet Nalwoga, Michael Tirwomwe, Albert Nyanchoka Onchweri, Josephat Nyabayo Maniga, Cyprian Mose Nyaribo, Conrad Ondieki Miruka                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Journal</b>  | <i>American Journal of Biomedical Research</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Year</b>     | 2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Abstract</b> | <p><b>ಹಿನ್ನೆಲೆ (Background):</b> ಮೆಥಿಸಿಲಿನ್-ರೆಸಿಸ್ಟೆಂಟ್ ಸ್ಟಾಫೈಲೋಕೊಕಸ್ ಆರಿಯಸ್ (MRSA) ಎನ್ನುವುದು ಆಸ್ಪತ್ರೆಗಳಲ್ಲಿ ಹರಡುವ (ನೊಸೊಕೊಮಿಯಲ್) ಒಂದು ಪ್ರಮುಖ ರೋಗಕಾರಕವಾಗಿದ್ದು (ಪಾಥೋಜೆನ್), ಇದು ಹೆಚ್ಚಾಗಿ ಚಿಕಿತ್ಸೆ ನೀಡಲು ಕಠಿಣವಾದ ಸೋಂಕುಗಳನ್ನು ಉಂಟುಮಾಡುತ್ತದೆ. ಏಕೆಂದರೆ, ಈ ರೋಗಕಾರಕವು ಸಾಮಾನ್ಯವಾಗಿ ಇತರ ವ್ಯಾಪಕವಾಗಿ ಬಳಸಲಾಗುವ ಆಂಟಿಬಯೋಟಿಕ್ ಗಳಿಗೂ ಪ್ರತಿರೋಧಕ ಶಕ್ತಿಯನ್ನು (ರೆಸಿಸ್ಟೆನ್ಸ್) ಹೊಂದಿರುತ್ತದೆ. ಉಗಾಂಡಾದ ವಿವಿಧ ಭಾಗಗಳ ರೋಗಿಗಳಲ್ಲಿ ಇಂತಹ ಡ್ರಗ್-ರೆಸಿಸ್ಟೆಂಟ್ MRSA ಇರುವಿಕೆಯು ಈ ಹಿಂದೆ ದಾಖಲಾಗಿದೆ. ಆದರೆ, ಪಶ್ಚಿಮ ಉಗಾಂಡಾದ 'ಕಂಪಾಲಾ ಇಂಟರ್ನಾಷನಲ್ ಯೂನಿವರ್ಸಿಟಿ ಟೀಚಿಂಗ್ ಹಾಸ್ಪಿಟಲ್' (Kampala International University Teaching Hospital) ಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಇದುವರೆಗೆ ಯಾವುದೇ ವರದಿಗಳು ಲಭ್ಯವಿರಲಿಲ್ಲ. ಆದ್ದರಿಂದ, ಶಸ್ತ್ರಚಿಕಿತ್ಸಾ ವಿಭಾಗದಲ್ಲಿ (ಸರ್ಜರಿ ವಾರ್ಡ್) ದಾಖಲಾದ ರೋಗಿಗಳಲ್ಲಿ MRSA ಸ್ಟ್ರೈನ್‌ಗಳ ಹರಡುವಿಕೆ (Prevalence) ಮತ್ತು ಅವುಗಳ ಆಂಟಿಬಯೋಟಿಕ್ ಪ್ರತಿರೋಧ ಶಕ್ತಿಯನ್ನು ನಿರ್ಧರಿಸುವ ಉದ್ದೇಶದಿಂದ ಈ ಅಧ್ಯಯನವನ್ನು ನಡೆಸಲಾಯಿತು.</p> <p><b>ವಿಧಾನಗಳು (Methods):</b> ಶಸ್ತ್ರಚಿಕಿತ್ಸಾ ವಿಭಾಗದಲ್ಲಿ ಚಿಕಿತ್ಸೆ ಪಡೆಯುತ್ತಿದ್ದ ಪುರುಷ ಮತ್ತು ಮಹಿಳಾ ರೋಗಿಗಳ ಗಾಯಗಳಿಂದ ಸ್ವಾಬ್ (Swab) ಮಾದರಿಗಳನ್ನು ಸಂಗ್ರಹಿಸಲಾಯಿತು. ನಂತರ ಈ ಮಾದರಿಗಳನ್ನು ಸೂಕ್ತ ಮಾಧ್ಯಮಗಳಲ್ಲಿ ಕಲ್ಚರ್ (Cultured) ಮಾಡಲಾಯಿತು. ಪತ್ತೆಯಾದ ಸ್ಟಾಫೈಲೋಕೊಕಸ್ ಆರಿಯಸ್ ಕಾಲನಿಗಳನ್ನು MRSA ಸ್ಟ್ರೈನ್‌ಗಳೆಂದು ಗುರುತಿಸಲು ಆಕ್ಸಾಸಿಲಿನ್ ಪ್ರತಿರೋಧದ ಪರೀಕ್ಷೆಯನ್ನು ನಡೆಸಲಾಯಿತು. ಇದಲ್ಲದೆ, ವಿವಿಧ ಆಂಟಿಬಯೋಟಿಕ್‌ಗಳನ್ನು ಬಳಸಿಕೊಂಡು ಡಿಸ್ಕ್ ಡಿಫ್ಯೂಷನ್ (Disc diffusion) ವಿಧಾನದ ಮೂಲಕ MRSA ಐಸೋಲೇಟ್‌ಗಳ ಆಂಟಿಬಯೋಟಿಕ್ ಪ್ರತಿರೋಧ ಸಾಮರ್ಥ್ಯವನ್ನು ನಿರ್ಧರಿಸಲಾಯಿತು.</p> <p><b>ಫಲಿತಾಂಶಗಳು (Results):</b> ಕ್ಲಿನಿಕಲ್ ಮಾದರಿಗಳಿಂದ ಪಡೆದ 114 ಐಸೋಲೇಟ್‌ಗಳಲ್ಲಿ ಕೇವಲ 75 ಐಸೋಲೇಟ್‌ಗಳನ್ನು ಮಾತ್ರ ಸ್ಪಷ್ಟವಾಗಿ <i>S. aureus</i> ಎಂದು ಗುರುತಿಸಲಾಯಿತು; ಇವುಗಳಲ್ಲಿ ಶೇಕಡಾ 85.3 ರಷ್ಟು ಕೋಗುಲೇಸ್-ಪಾಸಿಟಿವ್ ಮತ್ತು ಶೇಕಡಾ 13.3 ರಷ್ಟು ಕೋಗುಲೇಸ್-ನೆಗೆಟಿವ್ ಆಗಿದ್ದವು. ಮೆಥಿಸಿಲಿನ್-ರೆಸಿಸ್ಟೆಂಟ್ ಸ್ಟಾಫೈಲೋಕೊಕಸ್ ಆರಿಯಸ್ ಹರಡುವಿಕೆಯ ಪ್ರಮಾಣವು ಶೇಕಡಾ 56.1 ರಷ್ಟು ಕಂಡುಬಂದಿದೆ. MRSA ಐಸೋಲೇಟ್‌ಗಳಲ್ಲಿ ಸಿಪ್ರೊಫ್ಲೋಕ್ಸಾಸಿನ್ ವಿರುದ್ಧ</p> |

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|                     | <p>ಅತ್ಯಧಿಕ ಪ್ರತಿರೋಧ ಮತ್ತು ಸೆಫ್ಟ್ರಿಯಾಕ್ಸೋನ್ ವಿರುದ್ಧ ಅತ್ಯಂತ ಕಡಿಮೆ ಪ್ರತಿರೋಧವು ಕಂಡುಬಂದಿದೆ.</p> <p><b>ತೀರ್ಮಾನ (Conclusion):</b> ಶಸ್ತ್ರಚಿಕಿತ್ಸಾ ವಿಭಾಗದ ರೋಗಿಗಳಲ್ಲಿ MRSA ನ ಈ ಹೆಚ್ಚಿನ ಹರಡುವಿಕೆಯ ಪ್ರಮಾಣವು, ಈ ರೋಗಕಾರಕವು ಮತ್ತಷ್ಟು ಹರಡದಂತೆ ತಡೆಯಲು ಸೂಕ್ತ ಕ್ರಮಗಳನ್ನು ಕೈಗೊಳ್ಳುವ ಅಗತ್ಯವನ್ನು ಒತ್ತಿಹೇಳುತ್ತದೆ. ಭವಿಷ್ಯದಲ್ಲಿ ಇಂತಹ ಕಠಿಣ ಸೋಂಕುಗಳು ಉಂಟಾಗದಂತೆ ಸೂಕ್ತ ತಡೆಗಟ್ಟುವಿಕೆ ಕ್ರಮಗಳನ್ನು ರೂಪಿಸಲು, ಈ ಡ್ರಗ್-ರೆಸಿಸ್ಟೆಂಟ್ MRSA ಸ್ಟ್ರೈನ್‌ಗಳ ಮೂಲವನ್ನು (Source) ಪತ್ತೆಹಚ್ಚಲು ಶಿಫಾರಸು ಮಾಡಲಾಗಿದೆ.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Volume</b>       | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Issue</b>        | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Page numbers</b> | 94-98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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