

## Education of Antimicrobial Stewardship: Teaching Methods and their Effectiveness

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Each year thousands of lives are lost due to antibiotic-resistant infections. In order to combat the alarming rise in antibiotic resistance in the UK, guidance has been published by organisations such as the World Health Organisation and the National Institute for Clinical Excellence to help govern the use of antibiotics (see separate reference doc). In 2018 our team conducted an audit investigating antimicrobial stewardship on the general surgical wards at the Queen Alexandra Hospital, Portsmouth. This demonstrated poor compliance to the national guidance in the UK on safe antimicrobial prescribing. Our initial intervention was creating posters on the correct procedure of prescribing antibiotics in key clinical areas to promote good practice. A re-audit showed a minor improvement in compliance however this was not significant and consequently we looked into different ways of changing clinical practice. We chose to explore whether educating the prescribers about the importance of antibiotic stewardship and the clinical significance of that would be a more effective method of changing practice. Working with the microbiology department, we formulated a teaching programme spanning four weeks. After the sessions were completed, we re-audited the surgical wards. This showed a clear improvement in compliance (full results on poster). This suggests the intervention was effective at impacting local clinical practice. We concluded therefore that it is possible and

Effective to provide relatively short and basic teaching schemes to effectively promote antimicrobial stewardship and change practice.



### *Biography:*

Dr Florence Saddler, Dr Saarah Rana and Dr Sally Grice completed this quality improvement

project in 2019 at the Queen Alexandra Hospital in Portsmouth, England. Dr Florence Saddler and

Dr Sally Grice were foundation year 2 doctors having qualified from Norwich Medical School at

the University of East Anglia in 2017. Dr Saarah Rana was also a foundation year 2 doctor who

qualified in 2017 from Barts and the London School of Medicine, London.

### *Speaker Publications:*

Seroepidemiological survey of human cystic echinococcosis with ELISA method in Moghan plain, Ardabil province

H Mirzanejad-Asl

Journal of Ardabil University of Medical Sciences 9 (4), 334-346 10 2009

Relationship between gallstone disease and liver enzymes.

AB Olokoba, BJ Bojuwoye, LB Olokoba, KT Braimoh, AK Inikori, ...

Research Journal of Medical Sciences 3 (1), 1-3  
2 2009

Echinococcus contamination ratio and its related risk factors in Moghan plain, northwest of Iran

H Mirzanejad-Asl

Tropical Parasitology 9 (2), 83-87 1 2019

Frequency of Trichomonas vaginalis infection among pregnant women referred to health and medical centers in Ardabil city, 2013-2014

[4th International Conference on Medical & Clinical Microbiology](#) June 09-10, 2020

*Abstract Citation:*

Education of Antimicrobial Stewardship: Teaching Methods and their Effectiveness 4th International Conference on Medical & Clinical Microbiology June 09-10, 2020