The Crisis Development from Improper Using of Antibiotics

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Received: October 03, 2018; Published: December 12, 2018

Antimicrobial drugs are chemical substances produced by fungi or bacteria for killing or inhibiting the activity microorganism. Because of the laboratory development, the term of antibiotics now applies to both naturally produced substances and those drugs were synthesized in the laboratory [1,2].

In appropriate using of antibiotic therapy may leading to develop more antibiotic resistance bacteria, this may lead to crisis in the health service [3-6].

As a dental professional, unfortunately we found some of professionals were prescribing unnecessary large quantities of antibiotics in outpatient setting. For example, patient with severe pain in his left lower 6 went to different dentist, they prescribed for him different types of unnecessary antibiotics because of pulpitis with PA periodontist without response, because of the bacterial resistance and conflict of actions [7].

If our respected colleague’s fellow the guidelines of using antibiotics, they can relief the pain and minimized the infection by simple method immaterial will come out with proper irrigation with using local measurement of treatment rather than systemic measurement (Figure 1 and 2).

Figure 1: Different types antibiotics and pain killer prescribed for one patient.

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Improper using to the antibiotics without guideline will be leading to develop more resistance microorganisms and will leading to major crisis on health and economy. The most common crisis for misusing of antibiotics are developing of different types of allergy, resistance of microorganisms to the treatment, spreading of infection, and other systemic complications [8-12].

Mini guideline for prescribing the antibiotics [13,14]:

1. Proper diagnosis will help for choosing the proper medication.
2. Prescribe when you feel there is clear clinical benefit for the patient.
3. Check the narrow spectrum rather than broad spectrum antibiotics when the narrow spectrum is effective.
5. Follow the antibiotics prescription guidelines will minimize the risk of drugs interaction, allergy, and resistance of microorganisms' and will save health and money.

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Volume 18 Issue 1 January 2019
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