Health Cadre Training on Understanding Caries, Dental Supporting Tissue and Dental Systemic Diseases at Aisyiyah Pandowoharjo Sleman Yogyakarta

Yusrini Pasril1*, Hartanti 2, Chantika Azzahra Anindita Putri 3

1Department of Dental Conservation Science, Dentist Education Study Program, Faculty of Dentistry, Universitas Muhammadiyah Yogyakarta, Indonesia
2Department of Periodontics, Dentist Education Study Program, Faculty of Dentistry, Universitas Muhammadiyah Yogyakarta, Indonesia
3Dentist Education Study Program, Faculty of Dentistry, Universitas Muhammadiyah Yogyakarta, Indonesia

Abstract. Dental and oral health for most people is still not a priority, this can be seen from the data that dental and oral diseases still dominate Indonesian society. Support from community group cadres is needed to increase awareness of dental and oral health, especially regarding dental caries and perio tissue disease, because these two diseases are the most common oral diseases in society. Mothers who are members of Aisyiah in Pandowoharjo District, Sleman Regency, Special Region of Yogyakarta, are potential cadres to help increase public awareness of real actions to maintain dental and oral health and specifically recognize dental caries and periodontal tissue disease, including preventive measures and early detection. However, to make Aisyiah members into cadres, effective training is needed because the partners do not have academic or professional backgrounds related to health. The training for Aisyiah member mothers will involve colleagues from FKG UMY who specialize in dental caries and periodontal tissue so that they can explain actual case examples and provide appropriate input for training participants. However, it is preceded by an introduction to the basics of dental and oral health, especially those related to dental caries and perio tissue.

Keywords: dental caries, periodontal tissue

1. Introduction

Dental caries and diseases of the periodontal tissue are the two most common oral diseases in humans. Meanwhile, dental and oral health itself is an inseparable part of bodily health. Oral disease is a chronic disease and is an important public health problem in terms of prevalence because of its impact on individuals and society as well as the cost of treatment.

Dental caries is a multifactorial disease. The contribution of lifestyle, environmental factors and hereditary factors have a big influence on the development of this disease. Also included are the habitual intake of fermentable carbohydrates, poor oral hygiene, high levels of cariogenic microorganisms, inadequate use of fluoride, and impaired salivary function. On the other hand, periodontal tissue disease occurs when the supporting tissue around the teeth is disturbed, namely the periodontal tissue. In principle, this disorder originates from inflammatory, traumatic, neoplastic, genetic or metabolic development.

Partners are members of Aisyiah in Pandowoharjo District, Sleman Regency, Dareh Istimewa Yogyakarta. They have never received training material regarding dental and

* Corresponding author: yusrini.pasril@umy.ac.id
oral health, while the partners' activities have a relatively wide reach involving many groups, so they have the potential to act as cadres to increase local community awareness of dental and oral health, especially the recognition and prevention of dental caries and periodontal disease. Prevention of dental caries and periodontal tissue disease is important because people usually only go to health services such as health centers and dentists if they already suffer from this disease, and are not yet fully aware that dental and oral health care can prevent dental caries and periodontal tissue disease. Even early detection of dental caries and peri-tissue disease can also prevent greater socio-economic impacts.

2. Methodology

Providing training materials regarding dental and oral health to Aisyiah member partners in Pandowoharjo District, Sleman Regency can be one solution to increase public awareness in Pandowoharjo District about dental and oral health, even directly leading to the introduction of dental caries and perio tissue disease as The two most common oral diseases in humans.

The briefing must first introduce dental and oral health as basic knowledge because partners do not have an academic or health professional background. The basic knowledge provided must be practical and properly related to dental caries and perio tissue disease. So that it becomes an effective basis for partners to learn more about dental caries and perio tissue disease.

To measure partners' understanding, pre-test and post-test materials or questionnaires are needed to start and end the training. So it can also be used as evaluation material for all related parties. The basic delivery and training materials will also be adjusted to the Pre-test results so that they are more effective in providing understanding to partners.

### Table 1. Schedule

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<td>Training</td>
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3. Result and Discussion

The implementation of the training involves dental and oral health disciplines as well as dental and periodontal tissue conservation specialists as resource persons and training providers.

The implementation begins with a Pre-Test to determine the extent of the partner's insight regarding dental and oral health in general and regarding dental caries and peri-tissue disease in particular. From the Pre-Test results, we also got an idea of the reach of health services such as community health centers to partners, especially regarding dental and oral health.

Based on the results of this Pre-Test, the scope of providing knowledge about dental and oral health for mira can be determined so that the material presented is more effective and can become a basis for understanding dental caries and perio tissue disease.

The training begins with an introduction to dental and oral health using teaching aids and presentation materials that are coherent, straightforward and interesting. Then it
continues with special material in the form of an introduction to dental caries and perio tissue. After the partners understand the basics of dental and oral health as well as dental caries and perio tissue disease, they can continue with presenting examples of cases of dental caries and perio tissue disease that commonly occur in the community. The training then continued with a briefing stage for the partners in the form of ways to convey awareness of the importance of dental and oral health, including simple ways to detect the presence of dental caries and perio tissue disease as well as the socio-economic impact if the disease is not treated.

The training then ends with a Post-Test to determine the partners’ understanding of the material presented and can be used as evaluation material for all related parties.

4. Conclusion

Based on the evaluation of the training implementation from the assessment of the Pre-Test and Post-Test results as well as two-way communication during the training, it can be concluded that the training participants fully understand the training material, but in the future it will be better if the training participants are provided with material that they can take home- like a pocket book - to be read again as a reminder and even as an outreach tool for the local community.

Reference