Introduction to social medicine, epidemiology and biostatistics

2 units (selection) each-year(2nd semester)

Kokichi Arisawa · Professor / Course of Social and Environmental Medicine, Medical Science, Hiro-O Ito · Professor / Institute of Health Biosciences

Hirokazu Uemura · Associate Professor / Course of Social and Environmental Medicine, Medical Science, Aiko Yamauchi · Professor / Institute of Health Biosciences, Tetsuya Tanioka · Professor / Institute of Health Biosciences

Akira Tokumura · Professor / Institute of Health Biosciences, Daisuke Hinode · Professor / Institute of Health Biosciences, Hiroki Moriguchi · Professor / Course of Integrated Brain Sciences, Medical Science

Hiroaki Yanagawa · Associate Professor / University Hospital

Target⟩ 1, Clinical trial as a tool to establish clinical evidence 2. The role of the IT in the medical treatment and the hospital management are outlined. 3. Outline analytical skills for clarifying the phenomenon about Mental Health and Welfare. 4. Outline epidemiology and analytical methods for oral health promotion and/or oral disease prevention. 6. Outline damages from medicines and its etiology and prevention. 7. Outline designing of surveys and statistical analysis of data for writing a thesis.

Outline⟩ 1) Principles and practice of clinical trial from scientific and ethical viewpoint will be reviewed. 2) The usage of IT and the method of the management in the university hospital are outlined. 3) We will explain the statistical method for clarifying the feature of phenomenon based on previous work in Mental Health and Welfare. 4) We will explain the etiology of oral disease and its prevention based on the evidence of oral sciences. 6) Instruct background and etiology of several examples of damages from medicines and discuss possible prevention of the damages. 7) Basic aspects of statistical analysis, such as type of data and appropriate treatment of data, and meaning of hypothesis testing, will be summarized. In addition, practice of data analysis will be done using SPSS.

Notice⟩ It is possible to take a lesson by e-learning.

Goal⟩ The goal is to deepen one's understanding of contents presented during lectures, regarding social medicine, pharmaceutical science and dentistry.

Schedule⟩

	大項目	担当
1.	Basic handling and statistical analysis of data for article making	Hirokazu Uemura
2.	〃	〃
3.	Practice of epidemiology and statistical data analysis for writing a thesis	Kokichi Arisawa
4.	〃	〃
5.	Principles and practice of clinical trial	Hiroaki Yanagawa
6.	〃	〃

7.	The role of IT in a hospital	Hiroki Moriguchi
8.	〃	〃
9.	Statistical procedure for analyzing issues facing the Mental Health and Welfare (1)	Shu-ichi Ueno
10.	Statistical procedure for analyzing issues facing the Mental Health and Welfare (2)	Tetsuya Tanioka
11.	Epidemiology of dental caries and periodontal disease, and the relationship between oral disease and systemic disease	Hiro-o Ito
12.	〃	Daisuke Hinode
13.	医薬品の情報管理，医薬品の安全対策	木原　勝
14.	〃	〃
15.	What is damages from medicines? Why did the damages occurred? How to prevent the damages?	Akira Tokumura
16.	What is the damages from medicines? Why did the damages occurred? How to prevent the damages?	〃

Evaluation Criteria⟩ Reports should be submitted on questions presented during lectures. Grades are determined by summing points from all instructors.

Re-evaluation⟩ In principle, there is no reexaminations.

Textbook⟩ Teaching materials designated by each instructor wil be used.

Contents⟩ http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=218231

Contact⟩
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Note⟩ Different classrooms may be used according instructors.