

## International Remote CTG Seminar

Seto Inland Sea Regional Research Center and International Office of Kagawa University are advancing forward an industry-academia-government collaboration project in cooperation with Melody International Ltd., and NPO e-HCIK. The project aims to enable safe and secure management of pregnant women by using the compact and lightweight mobile fetus monitor "iCTG" and Internet. Especially, it is very effective in areas without obstetricians all of the world.

There are many areas where not able to give safe and secure childbirth because without obstetricians and midwives such as in developing countries. Meanwhile also in developed countries, the areas where obstetricians are decreasing such as Japan are increasing, due to uneven distribution in urban areas. In such areas, pregnant women have lived and given childbirth with great anxiety and burden.

In addition, under the situation of new coronavirus infection on this time, there are cases not able to go to the medical examination, even if pregnant women wanted. To solve these is "iCTG" developed by the Melody International Ltd., supported in technical by Kagawa University.

For example, pregnant woman measures fetal heart rate by herself by using "iCTG" and transfers the its signals to remote doctor via Internet to be given diagnose. If the doctor find abnormality, appropriate treatment is quickly done.

In this seminar,

- Appointed-professor HARA Kazuhiro of (Seto Inland Sea Regional Research Center) gave a lecture on "Fetal monitor principles and development history".
- Visiting-professor BABA Kazunori of (Maternal and fetal division, Center for Maternal-Fetal and Neonatal Medicine, Saitama Medical Center of Saitama Medical University) gave a lecture on "How to diagnose the fetal heart rate".

About 60 people participated for the seminar. They were many doctors and nurses from hospitals in the Chiang Mai region, and doctors, nurses and students from Kagawa University. Therefore, it was held in Japanese and Thai language. This was the first seminar of series. The later seminars is being considered to hold in other languages as well as English, and also to provide variety of contents.