



# AI in medicine

CMU RX Jupiter B

Professor Mann-Jen Hou

Target audience : student

2022/11/29 TUE.

Taichung Songzhu Elementary School

## Service purpose

to introduce the **combination of AI and medical care** to children in elementary school.

## Service Process



1.

### 1. Drama

health education show

1. Nervous to act in public → **forgot** our words once → **reminded** each other → **progressed** successfully.  
2. after actors eased up and focused on acting, the atmosphere became lively → children gave us **positive feedback** → acted more confidently → the drama wrapped up successfully and **left a deep impression**.

2.

### 2. Pharmacist

explain AI & medicine knowledge

1. children listened carefully → **avoid** too difficult words to be understood → **discussed** with teachers → in a **simple way**.

### 3. Scientific handicraft

Hooke's law of Elasticity

3.

1. **felt stressed** in front of the children → started & relaxed.  
2. successful health drama → **friendly atmosphere when making the science craft**.  
3. everyone finished the bouncing cups very quickly → **free time to play with the paper cups and rubber bands** → a bit chaotic.

## Reflection

1. From the preparation process, **the importance of cooperation and communication skills** is deeply imprinted in our minds.
2. Service should **not be a one-way operation of conveying** the information that we want to give. We should pay more considerations to the needs and acceptance ability of the children.
3. Because the handicraft course was relatively simple for the children, there was a short period of spare time at the end, and the class began to be noisy. Therefore, **the ability of controlling the class order** is also a skill that needs to be improved.
4. Although it took time and preparation to finish this volunteer service, **the joy and feedback of accomplishment** it brought was priceless.
5. In addition to the AI knowledge, we hope that the children can **pass on the spirit of service** and more people can join volunteer services in the future.





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# Another Kind of Service - ACCOMPANY

 Location : Gungguan Primary School, Green Island, Taitung

 Targets : elementary school students

 Club : Shen-Nong Pharmaceutical Volunteer Club

 Time : 2022/01/23~2022/01/27



## Service Content

We take food safety, anti-smoking and anti-drug, drug safety as the main axis of the camp. In addition to health education dramas and scientific handicrafts, various courses and activities are specially added, including herbal cuisine, practical English, etc. It is expected to achieve the effect of educational entertainment, and let the students get companionship through the camp.



## Difficulties & Solutions

The camp in Green Island was a great challenge for us. We were constantly facing various difficulties. Not only was it canceled due to the COVID-19 pandemic in the previous summer vacation, but also because of the shortened preparation time, the required funds were larger than usual, and the venue was far away from us. Besides, the epidemic situation is uncertain, probably break out at any time. We had no choice but pay attention to the health condition of the staff and students, and be prepared to suspend the operation at all time. During the preparation, the process planning were arranged through the photos left by the seniors last year. Therefore, after arriving at the school, we found that the actual situation was quite different from what we expected. We immediately discussed countermeasures and changed the way of presentation to make the event could finally carried out. After each day's activities, we reflect and discuss. Following the first day, we found that the children in Green Island are more active than we expected, so we discussed how to communicate effectively and friendly with the students. At last, We decided to use more interesting teaching mode to help children learn carefully and quickly assimilate into us.

## Reflections

Based on many difficulties, I felt pleasure to be able to successfully complete the whole camp. I was additionally moved by the enthusiasm and smiles of the children. During the whole event, we continued learning and cooperating with each other, adjusted the way we service.

The Green Island service this time is not perfect, but it had brought us and children a lot of happiness, experience, knowledge, reflection and growth. It is the most worthwhile things to this time of service.



# Pass on the Service

📍 Location : China Medical University

🎯 Targets : senior high school students

📅 Time : 2022/07/12~2022/07/16

👥 Number of People : 100students, 67 staff

## Service Content



The 9th pharmacy camp lasted for 5 days in total, and served as many as 100 senior high school students. It was really a grand event that there were also over 60 staff members to hold on the camp. In the activity, we took some of the basic subjects of the Department of Pharmacy as the main axis of the curriculum. Besides, there were experiments, visits, and various games that was well-designed by ourselves.

## Difficulties & Solutions

The previous 8th pharmacy camp was closed due to the pandemic. When approaching May 2022, we also suspended practice for a long period of time as the result of the escalation of pandemic. Even before the camp started, some staff were diagnosed with COVID-19. This made us no choice but to change the original plan. And the responsibilities and workload of each person have also increased a lot.

In addition to the number of people, the biggest problem this year stemmed from the lack of preparation time. Although we finally completed the 9th pharmacy camp, many performances, courses, and details presented were still insufficient. In the absence of the previous experience, the staff encountered many setbacks and difficulties. We relatively made more mistakes in time control and evaluation of emergencies. Obviously, there was still room for improvement in all respects. It was hoped that the next pharmacy camp could extend the preparation period to deal with more emergencies or cope with various troubles caused by the pandemic or other factors.



## Reflections

In the situation of the COVID-19 pandemic, it was already a proud achievement for the staff to hold the 9th pharmacy camp. And it was not easy to have enthusiastic students to participate. Although there were many emergencies, we made immediate improvements to make the overall event go on successfully. With our efforts, we finally made the 9th pharmacy camp come to a perfect outcome and created a new milestone in the pharmacy camp. We hoped that we could plan more comprehensively in the future, so that the camp and the team will gradually grow stronger and inherit the importance of pharmacy services, passing on to the public.



# Challenge, Learning, and Growth



## Become Familiar

The one-day camp focused on traditional Chinese medicine, herbal cuisine and medicinal chemistry, allowing high school students to have a deeper understanding of pharmaceutical knowledge. At first, we planned to be more familiar with these students through playing games that need to interact with each other. Afterwards, we arranged a course taught by professor to allow students to understand the basic concepts of traditional Chinese medicine.

## Special Experience

To correspond to the main topic, students had herbal hot pot for lunch. We hoped students to understand the essential meaning of herbal cuisine, taking the traditional Chinese medicine correctly, being aware of the properties and taboos, and flexibly apply it in daily life. Through a direct and profound way, we would like to promote the medical concept that prevention is more important than treatment.



## Team Spirit



Finally, we arranged experiments so that the student could comprehend more clearly about our course in pharmaceuticals by practicing on their own. The experiments not only deepened their understanding of pharmaceuticals, but also made them easier to learn the complex mechanism of chemical reactions. Besides, we expected that they could recognize the importance of teamwork by cooperating with each other.

## Reflections

It was our first time to hold a camp-type activity. Since we lacked of relevant experience, there were many mistakes in the overall event. But we made efforts to hold the activity successfully in the end. Seeing everyone strove as much as possible, I felt that all the hardship was worth it. The camp also brought us a sense of accomplishment, because we had prepared a meaningful camp. When we were still preparing the whole camp, due to the escalation of the pandemic, the camp faced a crisis of suspension. But thanks to the persistence of all the staff and instructors, we were able to complete the camp as scheduled, and created the first one-day pharmacy camp.



**It was a challenge, but also a chance of learning and growth.**

Location : China Medical University

Club : Shen-Nong Pharmaceutical Volunteer Club

Time : January 21st, 2022

Targets : senior high school students

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# ACCOMPANING THE ELDERS WITH LOVE



Service and Learning in Huihua Day Care Center

BY TING CHUN CHIANG

## OBJECTIVES

We hope that with our company, the elders can learn health concepts, stretch their muscles and taste our hand-made desserts happily.

DATE:  
2022.11.22

PLACE:  
HUIHUA DAY CARE CENTER



## WHAT WE DID FOR SERVICE

- health education dramadrama: about monkeypox and coronavirus
- hand-made desserts: healthy jelly with Osmanthus fragrans and goji
- massage points learning traditional Chinese medicine treatment
- dancing tutorial stretching their muscles



## REFLECTIONS

Once people get old, it is easy to lose interest in things because of losing friends or company of family members. We may neglect to accompany the elders in our family because we don't understand their loneliness. After our service, the elders turned into cheerful smiles. The elders in care center reminds me of my grandma who suffers from dementia and old age depression. I usually live in school and rarely go home to accompany her. This service is an opportunity to let me know the needs of the elderly. I want to start by warming my grandma first, and then to warm the hearts of more people.



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# Service and Learn Around Taiwan

- 🚶 Transportation : by train, bus, and walking
- 🚶 Club : Pharmaceutical Students' Association of Taiwan
- 🚶 Time : 2021/08/22~2021/08/31
- 🚶 Main Axis : the COVID-19 pandemic & vaccines interview & health education



## 📍 Taoyuan

In Taoyuan, we have an interview with a madam who was pious. In her religious beliefs, she believes that human beings are superior, and viruses and vaccinations are inferior. Hence, human should not be in touch with these stuff which are low-status. Regarding to the pandemic, she considers it to be the punishment by God. And that's why COVID-19 has raging all over the world. Although we really wanted to pass on the information about vaccines and viruses to her from a more scientific point of view, she still insisted on her own way of thinking.



## 📍 Chiayi

We run into an overseas student from Myanmar who was traveling around the island. He mentioned that due to the lack of vaccines and insufficient information in Myanmar at that time, some people could not get the vaccine, and many people died of getting various types of vaccines.

He also tells us the views of some of his American friends that the vaccine is a conspiracy. The government and the pharmaceutical company would like to collect the personal information of the public. Therefore, they invented the COVID-19 and the vaccines to secretly carry out large-scale experiments. Based on the opinion, his friends protested against the policies issued by the government in south America.

## 📍 Chiayi

## 📍 Taoyuan

## 📍 Hualien



## 📍 Hualien

We met a family who came from Taipei for a trip. To our surprise, their family were operating a pharmacy for living. The madam's opinion on vaccines was still quite conservative, she said that she still had some doubts about the safety of vaccines. Therefore, she considered that if there is no urgent needed, she would like to choose not to be vaccinated.

Finally, we asked about the upcoming start of school of her children, whether it was safe for the children to go to school as the pandemic still exists. She replied that if the school and the children's protection measures are taken well, she would not be anxious about it.

## Reflections

Traveling around Taiwan allowed me to see the cultural and custom differences of various places, and also discover the beauty of this land. In addition, it made me learned more skills of conducting health education. Usually, it is better to gradually introduce the topic throught chatting, than directly tell the object you want to do health education. Besides, pay attention to question and the answer of the person you are talking to, and give sufficient responses if needed. If you always focus on the content of health education, it might have people feel uncomfortable just like torturing them.

Through the experience this time, I found that when servicing, we will inevitably meet people with established ideas. It is difficult for us to change their opinion through short-term explanations, and it might even cause conflicts. A better solution is to be a listener. Respect to their own view, but also propose correct ideas to the response when it is appropriate.

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