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Five Items of Informatization Work to support the prevention and control of COVID-19 in the Affiliated Hospital of Qingdao University

1. On-line connection within hospital

On January 24, our hospital has realized the video connection between the West Coast Campus isolation ward and the second conference room of Shinan Campus. Medical experts can conduct the real-time diagnosis and treatment for the patients in the conference room dozens of kilometers away from the isolation ward, effectively avoid cross infection, and maximize the protection of the hospital experts and other human resources safety.

2. Optimizing Internet hospital service

We further optimized "Internet plus Medical Services". We launched internet COVID-19 free consultation clinic and network convenience clinic with totally 1080 clinical backbone doctors from 63 departments of our hospital online, which greatly met the patients' online inquiry requirements and avoided cross infection caused by on-site medical treatment.

3. Transportation big data embedded

The information of patients who come to the hospital for medical treatment by high-speed rail or plane from the epidemic areas is embedded in the hospital HIS system; so as to timely remind the receiving experts, timely diversion and take precautions. The two-dimensional code is set in the outpatient department for the patients to scan and fill in the screening information, which improves the efficiency and screening ability of pre-examination and triage. Develop infectious disease reporting system to realize paperless transmission of inspection information in hospital.

4. On-line pharmacy

We actively sorted out the drug catalog of online pharmacy, and first realized online pharmaceutical service relying on hospital physical pharmacy in Shandong Province. The process system of Internet consultation and Internet pharmacy is detailed and feasible, and online drug delivery service is carried out. The "Send medicine home" service for patients greatly met the needs of patients during the epidemic, and truly achieved the "do not meet" drug purchase service.

5. Third-party information platform integrated

The third-party information platform is connected to the hospital OA system to carry out health information monitoring effectively, reminds point-to-point timely, and ensures the accuracy of health monitoring; it can also issue training materials in the hospital, conduct online training tests, make statistics on learning and training, and ensure the training effect.