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Influenza emergency treatment

The Influenza emergency treatment is intended for the following emergencies:

- People have not been vaccinated or have no protection given by vaccination because of vaccination fatigue.
- The bird flu decimated the chicken population strongly so that there are no or not enough eggs to produce vaccine.
- The influenza virus changed since the last production of vaccine and the vaccine is ineffective now.
- There is not enough vaccine for everybody.

Problem analysis:

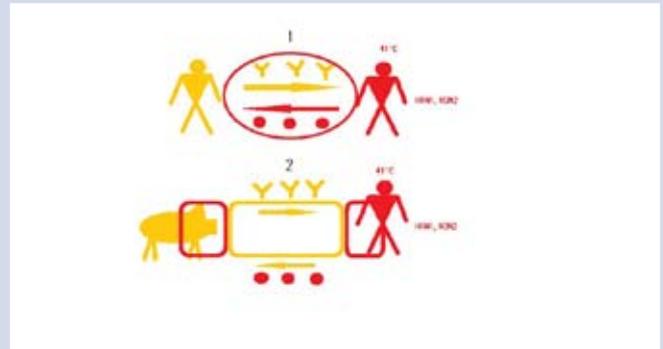
The production of vaccine and the immunisation of the population competes with the new changed viruses.

Treatment method 1:

A group of donors is vaccinated and immunised with the scarcer new vaccine. The immune system of the donors produces antibodies which are able to combat the viruses. A direct exchange transfusion with blood of the same blood group transfers the antibodies to the afflicted at an early stage of influenza. This combat of viruses causes a higher production of antibodies. Immunised people are obliged to donate as well.

Treatment method 2:

When the influenza infection grows exponentially, the second treatment method is applied. The current virus-antibodies are produced in vaccinated domestic



pigs and wild boars. These pigs have to be clean and free from synthetic or non-natural hormones as well as antibiotics. The blood plasma of pigs and infected people is exchanged.

Treatment groups:

First immune-compromised adults should be treated with the help of less donors or blood plasma. Then children, adolescents and the elder generation can be treated effectively.

Target group, advantages and conditions for the treatment:

- All doctors, which get into direct contact if there is an influenza epidemic
- Very fast and cost-effective
- Readiness to help affected people
- Blood tests for the detection of other viruses are necessary before treatment

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