

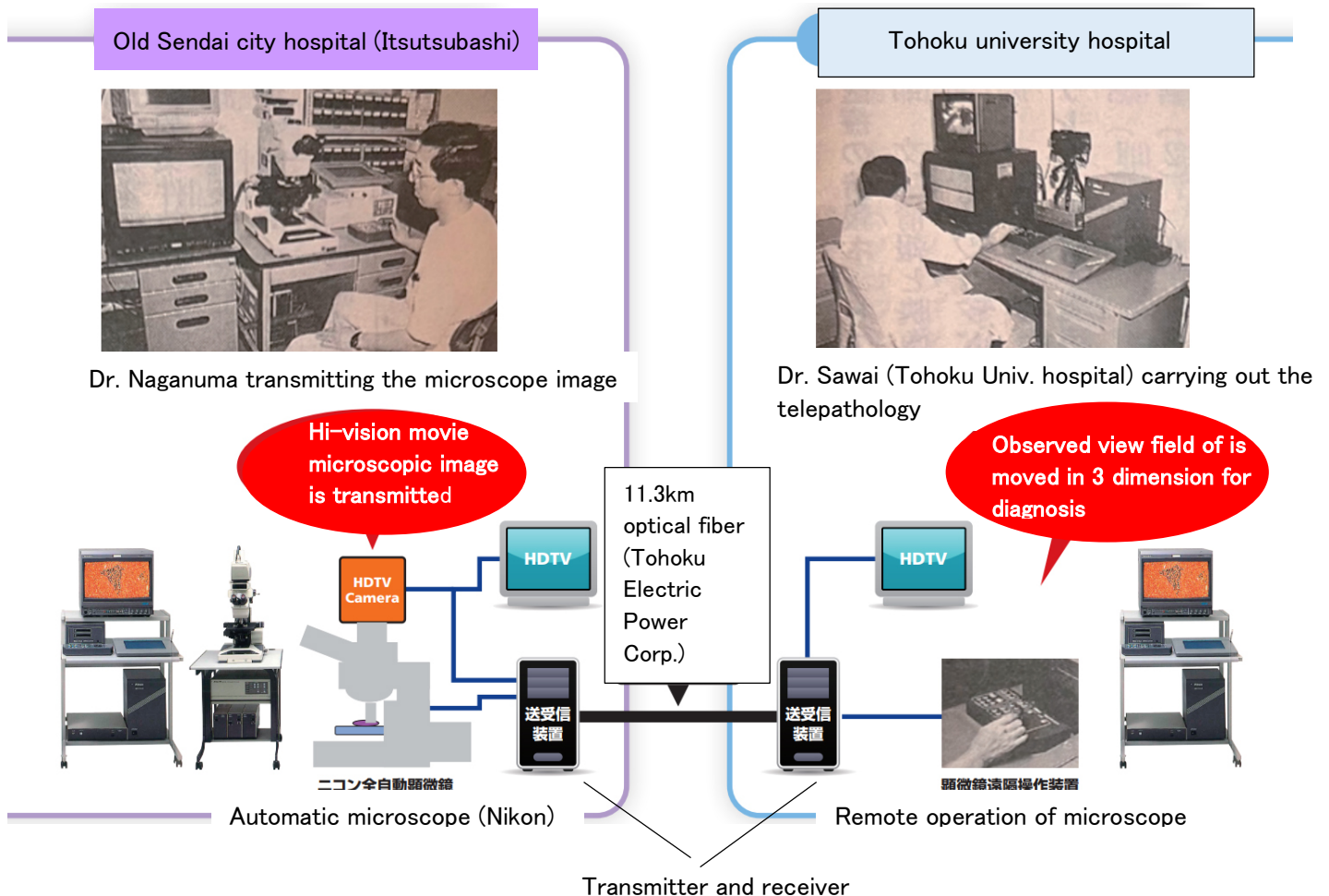
## 10 Revolution of telemedicine

### Revolution of telemedicine

- Optical fiber of which principle was considered by Prof. Nishizawa enabled high speed communication and started revolution of remote medicine.
- In 1992 which was 10 years before the start of optical communication service, the demonstration of telepathology using analog optical fiber was carried out between Tohoku university hospital and Sendai city hospital supported by Tohoku Electric Power Corp..
- The demonstration by Tohoku university (Sendai International Center) and Sendai city hospital which was carried out in general meeting of the pathology academy in 1992 started practical use of telemedicine using high speed communication in our country.



President Nishizawa observing demonstration



- Tohoku Electric Power Corp. connected Sendai International Center (300 inch large screen) and Sendai city hospital with optical fiber.
- Nikon Corp. donated microscope.
- Panasonic. Corp. donated transmission equipment.
- Dr. Naganuma (Chief pathology department in Sendai city hospital) transmitted sample images to Prof. Wakasa (Fukushima medical univ.), who explained the system.
- NHK carried out national broadcast of the demonstration by Hi-VISION in realtime.