Introduction of Hebei Provincial Eye Hospital

Overview
Hebei Provincial Eye Hospital, founded in 1904, is one of the most famous ophthalmic hospitals in China. It has the Hebei Provincial Eye Disease Treatment Center, Hebei Provincial Key Laboratory of Ophthalmology, Hebei Provincial Institute of Ophthalmology, Post-doctoral Research Station of Ophthalmology and Hebei Provincial Eye Bank. Ophthalmology is a provincial priority and the hospital’s Ophthalmology Department is a key clinical component both provincially and nationally. Hebei has the biggest public eye hospital in China with 500 beds and 20 departments, which provides excellent eye health services for more than 500,000 outpatients and 20,000 inpatients each year.

History
In 1886, a French missionary, Jules Bruguiere, built a five-room Catholic Church at North Long Street of Xingtai, which was the beginning of eye care. Then, they diagnosed and treated common eye diseases for the local population.

In 1904, this Catholic Church built a Daoji Eye Clinic in the west of North Long Street, which was the beginning of our hospital.

In 1910, the clinic was expanded and developed to a Shunde Renci Hospital.

In 1929, a polish priest, Father Sunievitch, came and managed the hospital. Because of his superior medical skill, he became a famous ophthalmologist throughout China. Patients from all over China came to the hospital for the ophthalmic treatments. Father Sunievitch completed several difficult operations, such as correction of entropion, chalazion excision, pterygium extraction, extracapsular cataract extraction, glaucoma trepanation, iridencleisis, rectus resection and recession, and scleral shortening for retinal detachment.
In the spring of 1939, a two-floor inpatient building with 70 rooms was completed. The inpatient bed number was increased to 60 that summer.

In December 1946, the hospital was nationalized by the Military Ministry of Health. It was renamed Xingtai Eye Hospital.

In 1948, the first Minister of Health, Xinzhuong Qian, wrote a special plaque stating the objectives by “Preventing blindness, dispelling bitter, curing diseases, saving life.”

From August 1st, 1948, the hospital was directly managed by the Hebei Provincial Public Health Authority, and renamed as the Hebei Provincial People's Eye Hospital.

In February 1954, Dr. Dingfan Yin successfully carried out the first keratoplasty, which improved the patient’s visual acuity from blindness to 16/20. Newspapers such as The Hebei daily, Health News and People's Daily reported on this event.

In November 19th, 1955, the hospital was renamed as Hebei Provincial Xingtai Eye Hospital and from July 1993 to October 2013, it was further renamed as Xingtai City Eye Hospital.

Since October 2013, the hospital is known as the Hebei Provincial Eye Hospital.
Today

Hebei Provincial Eye Hospital has been developed as a special public hospital, which is famous for its Ophthalmology, good for Otolaryngology-Head and Neck Surgery, and Stomatology.

Today, there are totally 600 beds, including 500 beds for ophthalmic inpatients; 18 operating rooms; 800 staff, including more than 200 ophthalmologists. There are 38 medical departments and 19 sub-specialty groups.

Hebei is regarded as the "Top Three" public eye hospitals, which combine medical, teaching, research, first-aid and health care with patients from 29 provinces, municipalities and autonomous regions of China.

Outpatients, 540,000/y  
Inpatients, >20,000/y  
Operations, >30,000/y  
It is now the eye disease treatment center in the Central China.

Medical departments for outpatients:
- Ophthalmology Clinic
- Ophthalmology VIP Clinic
- Traditional Chinese Ophthalmology Clinic
- Pediatric and Strabismus Clinic
- Optometry Department
- Lasik Department
- Laser and FFA Department
- Radiology Department
- Special Examination Department
- Otolaryngology Departments
  (Rhinology Department; Laryngology Department; Otology Department);
- Stomatology Departments
  (Oral Medicine Department; Oral Surgery Department; Prosthodontic Department; Orthodontic Department; Oral Planting Department);
- Physiotherapy Department
- Internal Medicine Department
Medical departments for inpatients:
- Traditional Chinese Ophthalmology Department
- Ocular Trauma Department
- Pediatric and Strabismus Department
- Fundus Disease Department
- Diabetic Eye Disease Department
- Glaucoma Department
- Orbital Disease Department
- Cornea Disease Department
- Cataract Surgery Department
- Otolaryngology-Head and Neck Surgery Departments (Rhinology Department; Laryngology Department; Otology Department)
- Oral Surgery Department;
- Internal Medicine Department

Discipline Levels:
Ophthalmology----the Provincial Key Discipline; Provincial Key Clinical Department
Chinese Ophthalmology-----the National "Twelfth Five Year“ Key Chinese Medicine Department
National Key Clinical Department; Developing Unit for National Key Discipline
Otolaryngology----the Provincial Key Developing Discipline; Seeded Unit of Provincial Key Clinical Department
Stomatology ----the City Key Discipline

Professional Staff:
Full and associate professors----152 persons
Post graduate degree----130 persons
Editors, associate editors of national key journals ("National Twelfth Five Year Plan") Textbook
"China Journal of Practical Department of Ophthalmology") ----10 persons
- Prof. Minglian Zhang
Chief physician
Postgraduate Supervisor
The special allowance experts of the State Council
Councillor of World Federation of Chinese Medicine Societies
Associate Chairman of Ophthalmic Branch of China Association of Chinese Medicine
Councillor of Ophthalmic Branch of Chinese Association of Integrative Medicine
Chairman of Ophthalmic Branch of Hebei Association of Chinese Medicine

Social Honors
"National advanced worker" 1 recipient
"Enjoy the Special Expert of the Government of the State Council” 3 recipients
"Hebei Province Outstanding Expert” 3 recipients
"Hebei Outstanding Professional and Technical Personnel" 1 recipient
"The first famous Chinese medicine of Hebei Province“ 1 recipient
"The young and middle-aged experts with outstanding contributions of Hebei Provence" 3 recipients

**Research and Teaching institutions:**
- Hebei Provincial Key Laboratory of Ophthalmology
- Hebei Provincial Eye Disease Treatment Center
- Hebei Provincial Institute of Ophthalmology
- Postdoctoral Research Workstation
- Hebei Provincial Office of Blindness Prevention
- Hebei Provincial Eye Bank
- Hebei Provincial Justice Identification Center of Ophthalmology
- Teaching Hospital of Hebei Medical University
- Clinical Teaching Base of Capital Medical University
- Postgraduate Training Base of Tianjin University of Traditional Chinese Medicine
- Zeiss Ophthalmologist Training Base

**Equipment:** (Total 226 large equipments)

Examples:
- Femtosecond laser for myopia,
- Femtosecond laser assisted cataract surgery system, Lasik equipments (Amaris and Visx S4)
- Surgical microscope (Zeiss, Leica, Topcon)
- Phaco emulsification system (Alcon)
- Vitrectomy system (Alcon)
- 3D ultrasonic diagnostic system
- UBM, OCT, Medical Laser, FFA, et al.

**Academic Achievements:** (last 5yr)
- Four national invention patents
- Two second prizes of Hebei province science and technology progress
- Three third prizes of Hebei province science and technology progress
- One prizes of Hebei medical science and technology progress first prize
- Three second prize of Hebei medical science and technology progress

**Publications:** (last 5yr)
- A total of 369 papers (including 9 SCI; 210 Chinese Core Journal)
- Forty-five Books
- 900 free papers in meetings

**Research Programs:** (2015), supported by
- National Natural Science Foundation of China, 3
- Health Ministry Project of China, 2
- Hebei Provincial Natural Science Foundation, 2
- Hebei Provincial Science and Technology Department Supporting Program, 5
Research Fields:

- Molecular mechanism of "Huoxue Tongluo" therapy, which is based on a Chinese medical theory, "Muluo Yuzu", on the water metabolism of the retinal Muller cells (supported by National Natural Science Foundation of China)
- The role of modifier factors in the phenotypic manifestation of Leber's hereditary optic neuropathy (supported by National Natural Science Foundation of China)
- Molecular mechanism of AQP4 / Kir4.1 during the ischemic retinopathy treatment using the Chinese medical "Muluo Yuzu" theory (supported by Hebei Provincial Natural Science Foundation)
- International product-development of two Chinese ophthalmic medicines, "Huoxue Tongluo granule" and "Shikang granule" (Proprietary products)
- Efficacy and safety of scleral cross-linking on the myopia treatment (supported by National Natural Science Foundation of China)
- Clinical research of the operations for huge intraocular foreign bodies
- Clinical application of tooth extraction site preservation during the oral planting
- Basic and clinical researches on the root canal therapy using the nickel titanium system
- Establishment of a traditional Chinese theoretical system, "Muluo Yuzu", and its clinical application on the ischemic retinopathy treatment
- Clinical observation of the comprehensive treatment on congenital glaucoma
- Establishment of network platform on the eye disease prevention and control
- Clinical research of the superior oblique muscle abate surgery
- Intraocular metabolism and clinical application of indocyanine green
- Multicenter clinical trial of primary treatment on primary angle-closure glaucoma

Host of International Conferences:

International Symposium of Ophthalmology in China (Hebei) (I, II)
Fifth annual Ophthalmic meeting of World Federation of Chinese Ophthalmic Medicine Societies
The thirteenth annual Ophthalmic meeting of Chinese Association of Integrative Medicine

Academic Conferences:

Among all Chinese hospitals, the total number of free papers were the top three on the 14th, 15th, 16th, 17th, 18th, 19th and 20th annual meeting of Chinese Ophthalmology Society.
In 2015, the total number of free papers was the largest in the 20th annual meeting of Chinese Ophthalmology Society.
In recent years, 50 experts were invited to America, Singapore, Japan, Hong Kong, Taiwan and
other places to show their presentations in American Academy of Ophthalmology (AAO) and Japan Academy of Ophthalmology (Jos), Asia Pacific Academy of Ophthalmology (APAO), world ophthalmology Congress (WOC), and the Refractive Surgery Society (ISRS) summit etc.

The Future

1. Further strengthen the hundred-year brand of “Xingtai Ophthalmology”
2. Become the Grade A of "Top three" Hospital of China
3. Strengthen construction of key laboratory
4. Strengthen the cultivation of key disciplines
5. Create a new distribution of “one hospital with two areas (old area and new area)”

New hospital area:
Total financial investment, RMB 500 million
Area, 183 acres
Building area, 128700 square meters
Bed number, 800 beds

Project I: (Today)
The largest ophthalmic building in China totally 87,526 square meters has been completed and operates extremely well including the Outpatient building, medical technology building, Inpatient building, complex building.

Project II: (Future)
New building of Hebei Provincial Key Laboratory of Ophthalmology, Hebei Provincial
New building of Institute of Ophthalmology, Teaching & Research Building, Post doctoral
New building of research workstation, Pharmaceutics Center

Goal
To be the "Leader level in Central China, First level in China, High level in the world"!