

'Tumor king' sees a stronger reign

By ZHOU WENTING
CHINA DAILY

BEIJING — The country has seen a huge jump in pancreatic cancers — deemed the king of malignant tumors — medical experts warned following the death of Apple co-founder Steve Jobs from the disease.

"For example, 100 new cases emerged in Shanghai each year in the 1980s, but the figure jumped to 500 in the 2010s," said Li Dinggang, director of the oncology department of Beijing Haidian Hospital.

Doctors said although the incidence is lower than some other cancers, including lung cancer and breast cancer, it carries a high death rate and leaves patients a short life ahead.

"In China, fewer than 8 percent of sufferers survive more than one year, and fewer than 5 percent survive five years," Li said.

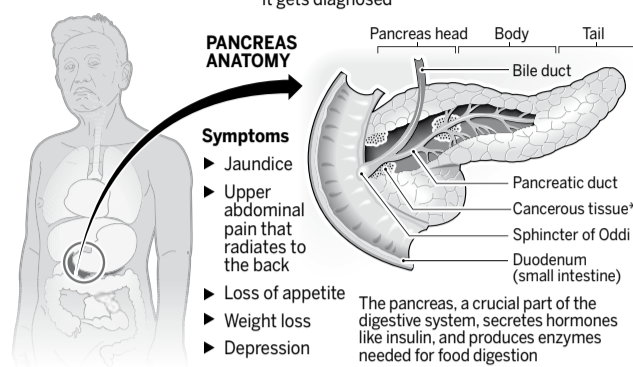
Latest statistics from the World Health Organization showed the incidence of the cancer in China was 5 out of 100,000 people in 2005. That number has surged over the past decades.

One important reason for the disease being almost incurable is that 80 percent of the cases are found at an advanced stage, which is too late for surgery — potentially the only effective method.

"Radiotherapy and chemotherapy turn out to be no help in prolonging the life of a patient with pancreatic cancer. Some new medicines have been developed and put into use recently, but none has proven desirable," said Hao Chu-

PANCREATIC CANCER

Pancreatic cancer is one of the deadliest cancers since it usually causes no symptoms early on, leading to an advanced form of the disease by the time it gets diagnosed



*Artist's impression of common tumor positions

RISK FACTORS

- Smoking
- Obesity
- Diets low in vegetables and fruits, and high in red meat
- Family history of chronic inflammation of the pancreas
- Diabetes
- Older age

TREATMENT

- Depending on the stage of cancer, a surgical removal is done to remove parts of the pancreas affected by the tumor. This can extend a patient's life a few years
- Where surgery is not possible, chemotherapy and radiation therapy are used to improve a patient's quality of life

PREVALENCE

- The American Cancer Society says the 5-year survival rate for patients is only about 5%. Most patients die within six months
- Diagnosed in 230,000 people across the world, with 37,000 cases in the United States annually

Sources: Cambridge Research Institute, Cancer Research UK

ny, a pancreatic disease expert at Peking University Cancer Hospital.

The particular anatomical structure makes the disease more fatal.

"The pancreas hides in the back of the stomach, so it is hard to achieve early detection, which is significant to early diagnosis and treatment," Li said. "Most patients have their stomachs inspected when feeling discomfort at first, and it is late for a cure when the pain expands."

Experts all agree that the outburst of the illness is highly related to the level of economic development of a certain region, and the modern lifestyle is the main culprit.

An unhealthy diet brings a heavy burden and damage to the pancreas, which is responsible for digesting fat, protein and sugar, experts say.

"I believe at least one in three of the patients are high-level white-collar workers, because they are more involved in socials and dinner parties," Li said.

"White-collar workers stay in front of computers for hours every day. Micro-environmental pollution and fatigue make them more prone to low immunity," said Wang Yuehua, deputy chief physician of general surgery department of Beijing-based Xuanwu Hospital of the Capital Medical University.



LIFTOFF FOR AID CHOPPER

PHOTO BY LI MINGFANG / XINHUA

A helicopter belonging to the Beijing Red Cross Society Emergency Aid Center takes off after it took part in a drill, which aims to improve the capital city's capability of organizing joint medical emergency response. Starting from Tuesday, local residents can call for helicopters when they need emergency medical aid.

Beijing residents face rising cancer threat, says latest survey

Pollution and poor lifestyle seen as causes

By CHENG YINGQI
CHINA DAILY

BEIJING — About 105 people were diagnosed with cancer every day in the capital last year, with the disease responsible for one in four deaths, a recent study shows.

The figures were released by the Beijing Institute for Cancer Research on Tuesday during a news conference to mark the 35th anniversary of the Peking University Cancer Hospital, a partner organization.

Lung and breast cancer are

the major threats, said Li Ping-ping, co-author of the report, which was based on Beijing Health Bureau data collected between 1995 and 2010.

Research found that, between 2000 and 2009, instances of lung cancer rose 56 percent, while breast cancer cases went up 127 percent.

Less common cancers such as thyroid cancer and uterine body cancer have also seen rapid increases over the past decade, the report added.

"Pollution and unhealthy lifestyles are the primary causes for the high cancer rate," Li said, adding that the fast pace of life in the city, as well as excessive pressure, disrupt people's hormones and increases the cancer risk.

Li said people can reduce the threat by stopping smoking, doing more exercise and shedding excessive weight.

"Scientific data show as many as 65 percent of cancer cases can be cured if patients are diagnosed early enough," said Ji Jiafu, president of Peking University Cancer Hospital. "However, as most patients don't know about their disease until later, their cancer has time to develop."

"We should raise public awareness about prevention and change a situation in which only terminal-stage patients are the ones going to hospitals for treatment," he said.

To help tackle the problem among one high-risk group, Ji's hospital will provide free

cancer screening services to 2,000 bus drivers, taxi drivers and railway workers in Beijing over the next five years.

"Most public transport employees work long hours, get insufficient sleep and eat irregular meals, so they're often in a state of poor health," said Guo Jun, vice-president of the hospital.

"Regular physical checks may help people detect cardiovascular disease, but there's no chance of finding cancer cells without special tests," he said.

In addition to targeting public transport workers, the hospital also plans to send staff members into communities to promote cancer prevention awareness.

exhibition special

PTC ASIA 2011 to present five sub-shows

By MIAO JIE

An international trade fair in Shanghai in October will be presenting all the latest developments in the power industry from around the world at the Shanghai New International Expo Centre.

The 16th International Trade Fair for Power Transmission and Control (PTC ASIA 2011) takes place Oct 25 to 28 at the Shanghai New International Expo Centre.

This year's fair will have some changes, and go beyond the original five sectors: fluid power, mechanical power transmission and parts, compressed gas technology, fasteners & springs and bearings.

This year's fair will have themed exhibits that allow

exhibitors to show their products in different ways and help visitors pin down what they need.

One highlight of PTC ASIA this year is the fluid power transmission exhibit, which has drawn many industry leaders such as Bosch Rexroth, Eaton, Parker Hannifin, Hydac, Gates, Hawe, Atos, KTR, Airtac, Camozzi, Pneumax, Daikin, Kawasaki, Nok and SKF.

The German and Italian pavilions, measuring 3,000 square meters will join other pavilions for a group presence.

The mechanical power transmission and parts exhibit (Hall E7 and N5) will deal with gear, belt, electrical, and chain transmissions; couplings;

power generators and support equipment; and manufactur-

ing equipment and technology.

The gear transmission area will cover a record, 6,000-sq-m space.

Under the 12th Five-year Plan (2011-2015), China's gear industry is looking for new opportunities to provide services for the rest of the industry.

China is turning into one of the world's top gear manufacturers so the industry is looking at a new round of reforms to meet the needs of advanced gear manufacturing.

Major gear manufacturers from China and abroad have increased their marketing on the mainland to take advantage of the country's market opportunities.

Companies such as Siemens, Bonfiglioli, SPG, Shinri David Brown, Baldor, and Sino Deut-

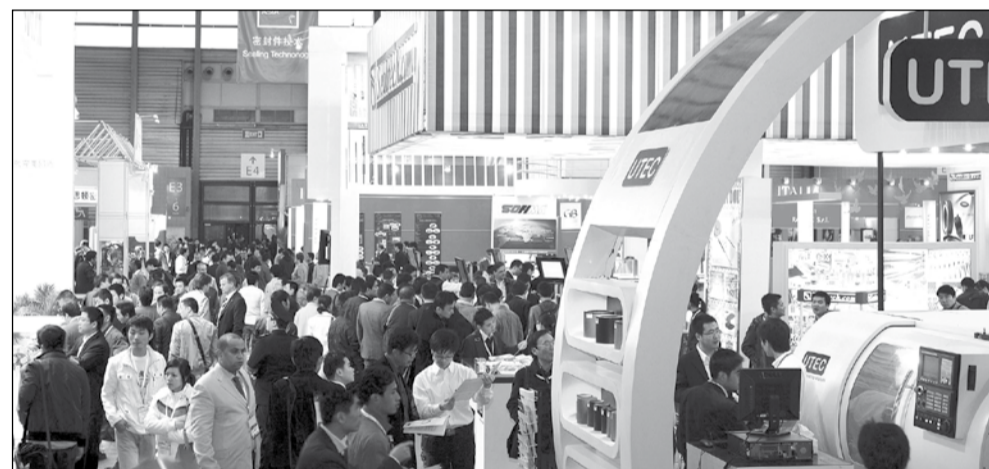
ch will be showing their latest products and technology.

In response to strong exhibitor demands and increasing market needs, the organizers have expanded the number of categories for compressed air technology, and have added a new International Compressed Gas Technology Exhibition.

This new area 5,000-sq-m area is about twice the previous size of the compressed gas area.

Exhibits include air compressors, compressor parts, after-treatment air compression facilities, lubricating oils, and supplementary equipment.

Industry legends such as Atlas Copco, Ingersoll Rand, OMIC, Sullair, T.M.C.S.S, VMC, Shrieve Chemical, Sotras, Kluber, Kaishan Group, MOBO, and SCROW



PTC ASIA receives visitors and exhibitors from around the world.

will of course be putting in an appearance.

There will also be exhibits for fasteners and spring bearings, displayed in a grand way.

Five sub-shows will cover the latest industrial development trends and help make PTC ASIA the region's largest trade fair of its kind and the

world's second most important.

For more information go to <http://www.ptc-asia.com>.



CeMAT ASIA is a top place to showcase innovative products and leading technologies.

CeMAT ASIA comes with special-themed display areas

By MIAO JIE

There will be an important exhibition of materials handling and logistics, in Shanghai in October, where the current field of logistics will meet the frontiers of science and technology with innovative thoughts and service concepts.

The event is CeMAT ASIA, which runs Oct 25-28 2011, at the Shanghai New International Expo Centre. It brings together packing machinery, cranes, automatic guided vehicles (AGV), and transportation equipment in one site, marking a change from the previously separated exhibitions.

These are the highlight of the show, which will also have an AUTO-ID section. The five

new themed display areas are as follows:

•Packing equipment
This brings together famous packing equipment brands and accessories from China and abroad to show the latest products, cutting-edge technology, and green, environmentally friendly developments.

•Cranes
This year's fair is cooperating with the Chinese Mechanical Engineering Society (CMES) logistics engineering branch and the Beijing Materials Handling Research Institute (BMHRI) to open a brand new area that focuses on emerging products and technologies in the crane industry.

Representatives of the leading enterprises in the field,

such as Demag, ABUS, SWF, Kito, Gobel, GH, Bada, Shuangniao, and Jiali will be taking part.

•AGV
This gives manufacturers an excellent opportunity to build their brand. AGV is a leading technology for increased logistics efficiency. Many international companies have shown an interest in this business and the professional display area covers the latest developments in the automation market, offering a brand new direction for the industry.

•Transportation equipment
The organizer is combining all resources and making a great effort on this transportation equipment and accessories display area, to help develop the transportation industry.

Exhibits include belt, pipe belt, roller, perpendicular, drag, and overhead trolley conveyers, along with lifting systems, bearings, trolleys, and chain wheels. Large members of the industry, such as Interroll, Damon, Itoh, Houg Fuh and Jiacheng have all registered.

•AUTO-ID
This is a traditional exhibition sector and the organizers have cooperated with the Zhanda Communications Shanghai Co Ltd to give it a brand new significance. Many major enterprises interested in innovative logistics technology have registered for this, which is twice its previous size.

CeMAT ASIA has evolved over the years, and thanks to the organizers' elaborate planning, this year's major themed

displays are larger and will bring more business resources and B2B matches for both exhibitors and buyers.

To serve the exhibitors better and reflect the professionalism of this annual show, the organizers will focus on the products and technologies of exhibitors and help them do better pre-show promotions and publicity work. There is a great deal of e-news input and media reports to build CeMAT ASIA into the best place for promoting new products and technologies.

Registrations for the exhibition area by now are up 20 percent compared last year, which is surprising and encouraging news.

For more information see <http://www.cemat-asia.com>.