

## Chapter 641

Chinese doctors are hard to deal with. To paraphrase the words of the old chairman, what doctors do on weekdays is to unite the majority and combat the isolated minority. Sometimes think about it, it looks like! This sentence is very suitable for medical doctors.

There is competition and cooperation between doctors.

For example, rescue, especially some large-scale rescue, sometimes even requires the joint efforts of all doctors in a hospital. Mutual cooperation must reach a certain tacit understanding in order to achieve results.

This is the most classic cooperation between doctors. I know what you want to do next, and you know what I want to do. Like a famous Internet saying, you know my length, I know your depth, and you can't be familiar anymore.

Competition also exists among doctors all the time. In the same department, if you advance the professional title earlier, you will master more resources earlier than other doctors.

If you become the director earlier, the doctor of your same year may have no way out in this hospital.

Therefore, competition and cooperation are interspersed in doctors' work and life all their life.

Therefore, it is not easy for a doctor to be recognized by most doctors in a hospital.

With his outstanding skills and sentiment that most people can't do, Lu asked the doctors of Qingda to send them off spontaneously. To tell the truth, it's too rare.

Technical people are conceited, while medical people are more conceited. There is a joke in the medical field.

He said that when a top leader of the Ministry of health inspected a hospital in a certain area, the president of the hospital could only gather nurses and administrative personnel in white coats to take a group photo.

Hospital doctors, for some reason, just don't go and don't give you this face. It's awesome. If you have the ability, you fired me. If you have the ability, you stop my operation.

As one of the best academician level doctors in Qingniao, Lu didn't say to seal the knife and quietly quit the clinic, but once he said it and was known, the movement was really big.

The doctors in the hospital didn't mention it first. Even the bluebird TV station remembered that they came. The long guns and short guns were set up in the hospital.

"Young man, make way, you're blocking the camera." Zhang Fan was treated as a passer-by and let him remember to pull away.

Although Zhang Fan was pulled aside as the background, looking at the beloved master in the crowd, he was really envious.

"Isn't this the highest level of a doctor!"

Lu Lao taught Zhang Fan the most important lesson in life with his practice. Like a beacon, he told Zhang Fan the direction of his future practice when he withdrew from clinical practice.

The road from the intensive care unit to the operating room was crowded with spontaneous medical staff. At the door of the operating room, there are some big men from all over the country.

The golden mean, West China, Xiangya, foreign-related, and most of them are from Daji, Lu's alma mater.

"Lu Yuan, have you really closed the knife?" At the door of the operating room, the chief director of the doctrine of the mean and general foreign studies, as a representative, held Lu Lao's hand.

Chinese medicine is divided into North and south, while the north school medicine is divided into China and the Soviet Union. Sometimes, the struggle for the right to speak in the academic community is really bloody.

Most of the hospitals in the north belong to the Soviet school, and the military hospitals are the foundation of the Chinese school. Originally, the two factions fought equally. As a result, Qiu Lao, who came back from Germany, took the lead in the earliest voice of Chinese surgery.

This is really a bit of a surprise. Therefore, the doctrine of the mean and the surgical boss of the military hospital are actually Lu Lao's competitors.

It is self-evident that Lu Lao's character and technology can enable competitors to come and deliver a

journey thousands of miles away.

"If you're old and don't retire, you'll be a little old and not ashamed. I'm really sorry to work so hard for you!"

Lu Lao held the hand of the director of the golden mean University of general foreign studies, who had been his opponent all his life, and said with a smile.

This smile is like a smile devoid of gratitude and hatred.

"The contribution of Lu hospital in the medical field is obvious to all. As an old man, we can't justify it if we don't come.

Your achievements are a model for the latecomers of Chinese surgery. We are here to wish you a successful completion of your knife sealing work! "

It's like evaluating the work of Lu Lao for decades, the director of the golden mean said affectionately.

"Thank you, thank you, thank you!"

"Younger martial brother, the critical moment..." the foreign-related master brother quietly walked to Zhang Fan and said softly in his ear.

"Well, OK, elder martial brother, I know."

The elder martial brother of magic capital was a little worried, so he told Zhang Fan in his ear.

After the greeting, Zhang Fan went to old Lu and said softly, "master, the operating room is ready."

"Well, I'll go first!" Old Lu smiled and said goodbye to everyone.

Then, Lu hospital and Zhang Fan entered the operating room one after another.

"Ah! You are not a help! " After Lao Lu and Zhang Fan left, the great director of the golden mean asked Master Zhang Fan curiously.

"Hehe, my younger martial brother, Zhang Fan is a help this time!"

"Oh! Zhang Fan, Zhang Fan! " The director of the golden mean spoke softly.

Sympathize with each other. There still has to be some competition. After fighting all his life, Lu Lao Feng Dao. To tell the truth, he has more happiness in his heart than emotion.

"Hey, hey, I'm just older than you. As a result, you quit first!"

Now Mr. Lu has retired, but Mr. Lu's academic and students still exist in the medical field. The next struggle is the next generation.

Therefore, when he heard that Zhang Fan was a help, the old man was concerned and remembered the common name.

The name is ordinary, but people are not ordinary at all. If you can be a help when Lu Fengdao, you can be regarded as a person who has taken the mantle.

As long as it is the normal development in the future, Zhang Fan is the person of Lu Lao's department. So, can the old man not care.

In the operating room, where old man Shan went, he took a kind of indifferent, a big deal and an unreasonable momentum.

"Why doesn't old man Lu come yet! You're all wearing masks. Why don't you put them on me? "

The old man sat on the operating table and didn't stop. He was in trouble with nurses and anesthesiologists.

He didn't stop for a moment. The others entered the operating room and went to the operating bed. They said they were not afraid, which was false.

The cold operating bed, all kinds of instruments making noises, and all kinds of bright metal instruments played by surgical nurses.

Just like taking him to the banquet immediately, knives, scissors, green towels, if there are a pair of chopsticks, it is really the same as taking him to the banquet.

People who are not afraid and not afraid are wonderful, and old man Shan is.

"The knife you took is sharp or not. Don't be unable to open it at that time. Come to the second knife again!"

"Hehe, old man, sit down and be careful to fall down."

"How high is this?..." It's good not to interrupt. As soon as I interrupted, the old man talked with the operation nurse.

"What is this, back then..."

When Zhang Fan entered the operating room, he saw the constipation expression of the little nurse, and

then looked at the fearless posture of old man Shan. The sadness in his heart was directly blown away like the wind.

## **Chapter 642**

Not to mention the past, there are many surgeons and part-time anesthesiologists in some small places or hospitals.

This also shows that the employment of anesthesiologists is much better than that of clinical doctors.

The employment of medical college students is not the same. In comparison, it is relatively simple for students in pediatrics, emergency, gynecology, Stomatology, anesthesia and imaging to stay in big hospitals in big cities after graduation.

The most difficult is the big clinical. On the current trend, older doctors are not very good to stay in the third class hospitals in the provincial capital cities.

Let these people go to a small hospital in a small place? Certainly no one is willing to study for half a lifetime, and no one is willing, so slowly there is a very strange state in the medical industry.

The clinical department staff of each hospital are very nervous, but almost all the new doctors are self-produced and self sold every year.

The students tried their best to stay in big cities and hospitals, and then tried their best to make money in various ways.

This is also a lot of patients make complaints about a place where a cold went to three hospitals to spend thousands of dollars, maybe the hospital level is high, maybe you have encountered a doctor with a mortgage.

Being in prime of life is really a time to make achievements, but everyone is busy calculating drugs and equipment!

Therefore, sometimes a good master may not meet a good student. Maybe he can't get a good seedling for several sessions.

And Lu Lao, this initiative to withdraw from the operating table, is also some factors in this regard.

First, he is physically a little incompetent for the work in the operating room. Second, the old man met someone who could take over his mantle.

This also made the old man decide to leave the clinic.

Don't underestimate this inheritance. Who can reach the peak in various industries is not a person with big ideas.

Without a little obsession and recognition of inheritance, medicine would not develop so rapidly.

In the operating room, the anesthesiologist and the operating nurse were all ready, waiting for the operating doctors.

After Lu Lao and Zhang Fan entered, "old brother, we started!" Lu smiled at the old man sitting on the operating table.

"Let's go! Don't worry, do it boldly. Black boy, come on! " After old man Shan finished talking to old Lu, he didn't forget to say something to Zhang Fan.

"Ha ha!" Zhang Fan's heart is really like flying over a group of special creatures, the old man

Anesthesia soon, after a mouthful of medicine was blown in, old man Shan fell asleep with his eyes turned over. The operating room was finally quiet.

"Lu Yuan, everything is ready. Do you turn on the camera?"

"Open!"

At this time, Zhang Fan, who had not played miscellaneous for a long time, began to be busy with disinfection and sheet laying.

Since Zhang Fan became Zhang hospital, to tell the truth, no matter where he went to the operating room, he didn't do these jobs again. After everything was ready, please ask him to start.

But today is different. These chores are all done by Zhang Fan, although he hasn't done these most basic operations for a long time.

However, these operations, like carving in Zhang Fan's mind, are not unfamiliar at all.

fluent! A shop sheet, Zhang Fan's cooperation with the operation nurse is very pleasing to the eye.

The green operation sheet covered old man Shan's body. The sheets on the operating table are generally three layers.

The first layer is four small sheets, slightly larger than the towel. The small sheets should be laid up, down, left and right of the surgical incision.

The second layer is the middle sheet, and the third layer is a very large hole towel, which covers the patient from beginning to end.

When all this is done, the patient will only expose a small area where the surgical incision is needed.

It can be said that at this time, let a doctor who doesn't know what surgery to do come in and let him say which part of the human body this exposed place is, he can't say. Therefore, in the operating room, there is no fragrance that ordinary people think.

When everything was ready, the camera in the operating room was turned on.

In the electric classroom, everyone also saw the images in the operating room. At this time, the reporters began to record the preparation of long guns and short guns in the electric classroom.

Just when they were about to start the machine, not only the government officials but also the officials of the political and religious Department of the hospital came over and said, "only written reports can be made!"

.....

Now, good multimedia or doctors themselves will use their mobile phones to shoot some surgical processes and publish them without the consent of patients. It can be clearly said that this is illegal.

The reporters don't care about the hospital officers, but they have to pay attention to the government officers.

"Turn it off! Ah, this boy is also an surgeon. "

At this time, the reporter who once regarded Zhang Fan as a passer-by found Zhang Fan.

"Well, I hope he doesn't take revenge!" He was thinking.

.....

Before the operation, Zhang Fan also thought about how to better assist master to make the operation better and more perfect.

Not only did he not steal the limelight from master, but also let master have a perfect end in this operation.

However, Shifu's body really can't stand this kind of big operation. Especially the elder martial brother said it before the operation.

"At the critical moment, you will succeed master."

Therefore, Zhang Fan also took great pains in these three days.

Old man Shan had to let his master have an operation, and his disease was very common in China.

Stomach cancer!

According to evidence-based medicine, 30 years ago, gastric cancer ranked first among malignant tumors, but now it has dropped to second. Gastric cancer in China is also much lower than before.

Because this tumor is relatively preventable. The disease can be avoided by good habits in daily life.

And single old man is not, when the lack of living materials before, the old man's breakfast is white wine steamed bread. Three Baijiu, steamed buns after the belly, he is the emperor.

With better living conditions, I get drunk every day, but I don't sleep every day on the road.

In recent years, especially in big cities, stomach diseases suddenly began to rebound. There are many reasons, including life pressure, not eating on time, unclean diet and abnormal mood.

But the main thing is drinking. Especially some young people, in their twenties, have a small barbecue with beer every day. Some people even regard drinking as a normal life.

It can be said that if this goes on, the shadow of gastric cancer will come to this kind of people's life sooner or later.

Barbecue, especially meat, if directly facing the open fire and the temperature exceeds 200 °C, there will be various carcinogens.

Then a lot of smoke, this barbecue, it can be said that it is really swallowing poison.

If you add wine, it's really exciting.

There is mucous membrane in the stomach. If you simply eat barbecue, the mucous membrane in the



stomach has the power of war.

Drinking is like drinking a reckless man, directly taking off the clothes on the stomach and damaging the mucous membrane on the stomach wall.

Then, let the stomach tissue face the poison. There is a saying that if you want to die fast, cigarettes and betel nuts.

It should be added that if you want to die early, barbecue and wine.

Although gastric cancer, among all malignant tumors, is not the most terrible, and the postoperative survival rate is relatively high.

However, looking at the five-year survival rate after gastrectomy in various hospitals in China, there is a considerable gap.

In general hospitals, the postoperative survival rate of this disease is about 30%, while in some specialized hospitals, it can be as high as 50%.

Therefore, sometimes choice is very important. No one wants to

Old Lu looked at Zhang Fan, then looked at the anesthesiologist and said, "the operation begins!"

### **Chapter 643**

The operation begins! There are many foreigners sitting in the electric classroom. At their level, they almost don't expect other people's surgery to surprise them.

Those who can learn have long learned, those who can't learn, and those who can't learn all their life. They can be the top in the industry. Who doesn't have a characteristic and who doesn't have the Kung Fu to press the bottom of the box.

Therefore, in the electric classroom, whispers continue.

"I heard you applied for the national project again?"

"Ah! It's estimated that it won't be finished this year. "

"Why don't we join forces?"

"Ha ha!"

In the operating room, old Lu is the main knife, standing on the right side of the patient, and Zhang Fanyi is standing on the left side of the patient.

These three days, Zhang Fan took great pains to cooperate with his master's operation.

Surgery, the assistant's hand is actually the main knife doctor's Baijiu, high concentration Baijiu drink into the body, kill brain cells, kill liver cells, scratch the gastric mucosa. Destroy the prostate and bladder.

It can be said that I don't know whether to soften blood vessels or not, but it must hurt these places.

Men, in particular, drink a lot when they are young. They may not be able to do it before they are old. This is not a dangerous word.

You can look at people who are tested by alcohol. Why are there fierce women at home? When the male wind is gone, it's like being castrated. They can only stick their heads and ears, because they may have more ambition hormones than you!

1ml of alcohol will damage the gastric mucosa. This thing will scratch around the gastric mucosa like a knife.

In fact, the stomach is the same as people. Even people with soft temper have temper when they are in a hurry.

Once or twice, I pulled my stomach with a knife, and then my stomach mobilized hydrogen carbonate ions to continue to restore its original appearance.

But over time, the stomach became angry. I fought with you, and then the scratched mucous membrane began to harden like leather, like an old donkey's skin without hair.

If I become hard and slippery, you can't pull me!

This change is the terrible beginning. In medical terms, this change is atrophic gastritis. More than 80% of gastric cancer, its precursor is atrophic gastritis, that is, the so-called precancerous lesions.

Generally speaking, the stomach is actually a large grinding plate. Like the grinding plate, the stomach has textures. These textures not only increase friction, but also secretion.

Just like grinding tofu, the food will be ground and ground after entering the stomach, and then the

stomach will secrete some liquid from time to time to make the food become chylous.

Disease comes from the mouth. No matter how clean a meal is, a few percent of bacteria still exist. These bacteria are killed and inactivated by hydrochloric acid in the stomach. Then the body absorbs all the nutrition.

When the stomach becomes leather, it has no secretory function, and then the bacteria eaten can not be killed.

Then, after repeated bacterial infections, gastritis became gastric cancer. This is a general process of gastric cancer.

To eat hot pot, you must order tripe, which is tripe, the so-called cow stomach.

There is a layer of soft fur on the belly. Put it into the hot bottom of the pot, get out of the pot for dozens of seconds, and then put it in your mouth, huh! Soft and crisp.

This soft and crisp is actually the organ of the stomach that secretes gastric juice and gastric acid.

But when Lu Lao and Zhang Fan opened their abdominal cavity and saw Shan Lao's stomach, they felt that the diaphragm should be.

It's like a cat scratching a plastic door.

## **Chapter 644**

When Lu Lao and Zhang Fan just opened their abdominal cavity, a puff of hot air came out.

During the operation, the abdominal cavity must be opened according to the rules and regulations layer by layer. The skin is the skin and the muscle is the muscle.

So when you open the muscle to expose the peritoneum, and then cut a small opening in the peritoneum with scissors, the hot gas is directly sprayed out, and the other gases emitting heat are directly sprayed out with high pressure and small breach.

Like a broken balloon, the broken edge trembles and sprays hot air, or it is like a month old doll shaking her lips, puffing, puffing and spitting after she is full.

When the hot air with drops of liquid sprayed on Zhang Fan's face, because of the mask, the eyes couldn't stand it before the taste was touched by the nose.

Astringent, sour, want to cry. Just as his eyes protested, the smell finally entered Zhang Fan's nose.

To tell the truth, people who have smelled this smell can't forget it all their life. The strongly irritating gas with body temperature hangs directly on the mucous membrane of the nasal cavity and can't be thrown away.

There is a smell in the acid. There is also a smell of fat and muscle decay in the smell. It is directly like a bad egg stained with stinky tofu.

What smoked fish, what hairy eggs, what stinky tofu, these things are brothers in front of this.

Sulfide, cyanide, fat corruption, protein corruption, almost all the pungent flavors are mixed together.

Moreover, the gas is still wet and with temperature, just like a Wannian barking, and finally talked about an object.

Finally came to the point of kissing. As a result, the other party's mouth was open, and his tongue with the smell of rotten teeth and red fermented bean curd stuck out.

The terrible thing is that you have to suck with this terrible tongue.

After the passion, the rest is nausea and regret, nausea that can put your fingers into your throat to vomit, and regret that you can fan your face.

Zhang Fan is in this situation now. The disgusting taste is like a rotten tongue, which is dying to get into Zhang Fan's nose.

And the warm liquid sticks to Zhang Fan's face, which can directly feel a tingling pain.

"Come on, wipe it! I'm blind." Zhang Fan was so embarrassed in the operation for the first time. He really wanted to have his own hand to wipe the nannai on his face!

Don't mention Zhang Fan at this time. Even itinerant nurses, especially anesthesiologists, almost spit

out. Because when opening the abdominal cavity, the anesthesiologist specially stretched out his head and looked over.

Where is he? Zhang Fan and Lu Lao are people who have been trained by all kinds of smells. The smell on his face, like swallowing something indescribable, the anesthesiologist couldn't take it out or vomit. His face was shaped by this discomfort.

Like an old guard dog, he whispered a threat at his throat, eh! Uh! Uh! I guess his tongue is tied in his throat.

When the itinerant nurse wiped Zhang Fan, Zhang Fan wanted to put his head into others' arms. At this time, Zhang Fan finally realized that the smell of fat and powder was acceptable.

The nurse turned on the air purifier. After the disinfection taste finally prevailed, Lu and Zhang Fan continued to open their stomachs.

Opening the whole abdominal cavity, old man Shan's gastrointestinal tract was displayed in front of them. Old Lu stared at Old Man Shan's gastrointestinal tract and frowned.

Gold, wood, water, fire and earth, Chinese medicine attributes the major organs of the human body into an image representative.

Some people say that this thing refers not only to an organ, but also to imagination. In fact, it's not. The ancestors of Chinese medical circles are very powerful in this field.

In the age when the body's skin and hair can't be damaged, in fact, there are doctors secretly doing human body planing. Otherwise, how did the ancient emperors know to protect the kidney?

This shows that they not only dissected adults, but also dissected pregnant women and fetuses.

Western medicine was not discovered until hundreds of years later, after the invention of electron microscope and the establishment of histoembryology, yo! Kidney and testosterone (a) pill were twin brothers.

The gastrointestinal tract is actually very beautiful in the human body. Among them, grains and grains are sucked in the essence of the stomach and intestines, giving up their dross, which is powerful, and the color value of the stomach and intestines is also very beautiful in the human body.

It's really like modern small fresh meat. There's meat when you strip and style when you dress. Take off your clothes and get pimples all over your body. Put on your clothes and get collagen all over your face.

As long as the gastrointestinal tract is healthy and fresh, it is pink and tender, slowly and rhythmically wriggling, wave by wave.

The outer layer is hung with a coat like silk yarn, with a healthy and ruddy complexion.

Like the ladies in ancient summer, wearing silk gauze and slowly fanning the sandalwood incense fan in your hand, you can't help being intimate.

In fact, there is almost no smell of healthy gastrointestinal tract, because this thing is completely closed from the mouth to the anus, and it also has a good smell of grease.

Most people think that the gastrointestinal tract is dirty and smelly. In fact, most people only see these gastrointestinal tracts on the dinner table. The reason why they are smelly and dirty is that the cook who picks up these things is not interested.

The pale tissue is mixed with beige or excrement yellow, and then the smell of excrement is absolutely careless of the cook.

The routine cleaning in the back kitchen is usually to put some corn flour to increase friction. If you have ever eaten water with beige, it is definitely because it is not cleaned.

Many people like to eat fat intestines. In fact, to tell the truth, taste buds, especially human taste buds, are wonderful.

Simple fragrance cannot excite the taste buds. Only compound flavor can excite the taste buds and transmit the taste to the brain for memory.

Therefore, the large intestine is well done. Is it mixed with the taste of feces? This matter needs to be verified.

After old man Shan's abdominal cavity was opened, not to mention that old Lu frowned, even Zhang Fan was about to become a triangular eye.

The intestines and stomach, which should have been pink and tender, can't be seen directly.

Although pink still accounts for the main body, this pink is like a water pen without water. The color is very light, and it is almost decolorized watercolor painting.

And there are large areas of gray and black. Like the head of an old man suffering from skin diseases, the elderly have scabies on the scalp. The elderly have white and black hair on the scabies. With the shaking of the scalp, the black and gray hair seems to enter people's eyes.

Moreover, the scab still flows gray pus and bubbles with the peristalsis of the gastrointestinal tract.

Just like the septic tank in summer, the fecal residue is boiling on the surface of the stomach with undigested or meat *Ascaris lumbricoides*.

Super diaphragmatic response, can diaphragmatic response, so that the observer can't wait to scratch this scab.

"Is the outer membrane broken? Is the outer membrane broken?" When he saw this scene, Lu asked nervously with a frown.

"No, no!" Zhang Fan also couldn't care about suffering. He gently stuffed his hands into this creepy stomach to explore.

Cancer, simple cancer is not terrible. Early detection and early resection are not a big problem.

But the terrible thing about this thing is that it can't be found easily in the early stage. When it is found, it is almost in the late stage.

Moreover, especially for cancer in the abdominal cavity, once ascites is found, how to open the abdominal cavity is the only way to close the abdominal cavity. As for cancer tissue, doctors dare not move.

Because at this time, moving others is to accelerate the death of patients!

The terrible thing about cancer is that this thing can spread, spread from the blood, and sprinkle seeds from the upper organs on the lower organs like dandelion.

Once the outer membrane of the gastric body is damaged, cancer factors will definitely infect the whole digestive tract with the secreted liquid.

Therefore, when Zhang Fan carefully explored and told him that he had not touched the damage, Lu cold sweat came down. If it is damaged, the immortal can't come down.

## **Chapter 645**

Xun Teng's old Lu, mixed with disinfectant and odor, looked at Zhang Fan. His eyes were full of desolation!

Now many industries pay attention to an avoidance system. Although the medical industry does not emphasize it very much, generally speaking, the chief surgeon will not operate on his relatives and friends as much as possible.

Because many times, if the trade-offs are mixed with various factors, it is not a good thing for medical treatment, especially surgery.

Surgery is a traumatic treatment. It is a kind of traumatic treatment and protection for the body. It has a

premise that only after removing the disease can we protect the body organs to the greatest extent.

Old Lu's eyes were desolate, and his heart was like falling into a hole in ice water. Goose bumps all played a role in the hot environment.

Old man Shan was too stubborn. He had a physical problem. He still drank recklessly and refused treatment. As a result, when he opened the abdominal cavity, cancer had been seen on his stomach. Even suspected cancer tissue was found on the greater omentum.

Originally, the operation went smoothly and the operation was done smoothly. Lu's mood and mentality were very peaceful. When he saw that cancer might transfer, Lu's mentality fell from the peak to the trough like a roller coaster.

If old Lu is ten years younger, or old Shan is ten years younger, old Lu will not be so depressed and helpless.

Old Lu was ten years younger. He was sure to let old man Shan do the operation without losing his life. If old man Shan is ten years younger, his body may be able to withstand a bigger blow.

But now, they are old!

Old Lu looked at Zhang Fan. Zhang Fan surprised old Lu again and again in liver and gallbladder surgery, orthopedic surgery, and even extracerebral surgery.

Now, there are not many people Lu can count on. He looked at Zhang Fan, "do you dabble in gastrointestinal tract?"

Voice is so timid, so no confidence.

He was deeply afraid that Zhang Fan would say a negative word.

Zhang Fan didn't let the old man down " Shifu, we are a family from the general public. How can we not dabble in it? Old man Shan, this lesion looks terrible. I think it should be able to cut! "

In this sentence, in this ordinary sentence, Lu Lao's heart is directly filled with a feeling like the warm sun in winter. It's too warm.



"Come on, change position!" Old Lu wants to give the position of the main knife to Zhang Fan.

At this time, their voices were not loud. Although they could not reach the electric classroom, the anesthesiologists and itinerant nurses around them listened clearly.

They know that Zhang Fan's level is high. They also know that according to the way Zhang Fan came to study at the beginning, there is no super Hao father, so they can become disciples of Lu Yuan, which is definitely not inferior.

But what they didn't expect was that Lu hospital was not sure of the operation, and would even ask him, the little doctor from the frontier!

It may not be possible to scare off their big teeth, but people with poor temporomandibular joints can definitely be shocked off their chin by this scene.

It's incredible!

"Hehe, master, don't change. My left and right hands are the same. I'm used to it!" Zhang Fan narrowed his eyes and smiled.

Lu Lao looked at the closing disciple in front of him and the disciple with a smile between his eyebrows. He was both pleased and moved.

He understood that Zhang Fan was taking care of his face and other people's views, and wanted him to finish the last operation face to face!

But Lu is always someone, "you, be honest. Sometimes you are smart. Sometimes people want to knock your head open for me to have a look.

All right, I'm not ready for you to protect me from the wind and rain. Come on! While my old bone still has some weight, let you step on it! Change position! "

The last sentence of the old man was decisive. The old man firmly gave the position of the main knife to Zhang Fan for the sake of the patient and Zhang Fan, regardless of the reputation he had fought for half his life.

Back to back, back to back. Zhang Fan didn't know whether he was smoked by the smell or what. His eyes were sour. He squeezed his eyes hard.

What is moving, this is moving.

"Change position!"

"Changed position."

"Lu Yuan gave the position of the master knife to his little disciple!"

This was surprised by the experts and doctors who were not present. The operation pays attention to one from beginning to end.

Unless there is a special accident, the master knife is like the master general on the battlefield. The soldiers of both sides are close to each other. To tell the truth, it is a big taboo. Unless the master replaces the apprentice!

But now, a doctor at the level of academician, a doctor with an honorary reputation of half the medical profession, has given up the position of the main knife at the critical moment, which can not be suspected or thought by others.

"He wants to make his disciples famous? No, this is the last time he washed his hands in a golden basin. It's not right to compare heart to heart! "

Looking at Lu Lao and Zhang Fan in the display screen, people's hearts are full of question marks.

"Look, look how this boy is. Let old man Lu be a stepping stone willingly."

After changing his position, when standing in front of the patient's abdominal cavity, Zhang Fan cleaned up his mood and abandoned all his thoughts.

"Start!" The operation of changing the main knife began.

"Knife!" Zhang Fan's operation is different from Lu hospital. Although assisted by Zhang Fan, as the main knife, Zhang Fan's speed is faster and the age gap is sometimes really irreparable.

Knife, PA! Hold firmly in your hand and enter laterally. The knife is too big for the omentum!

"Cut!"

Pop! Pop! Pop! The speed of the operation increased a lot. The temperament of the chief surgeon will affect an operation and the whole operation team.

Zhang Fan is so fast that nurses of surgical instruments are quick enough to be absorbed in their cooperation.

The operation is fast and there are many changes. The anesthesiologist has no time to observe the

operation process, because he should always pay attention to the patient's vital signs.

"Depressurize!" A cold voice came out of Zhang Fan's mouth.

"Lowering the patient's blood pressure again may lead to thrombosis! Insufficient perfusion. " The anesthesiologist said in embarrassment.

"There's no way. If you don't reduce blood pressure, the bleeding will increase, which may lead to cancer cell metastasis. You can think of a way. Come on! "

The anesthesiologist was about to pull up the sparse hair under his hat.

Anesthesiologists and surgical nurses are sometimes very contradictory. They like to operate with highly skilled doctors, and they don't like to operate with highly skilled doctors.

And highly skilled doctors can get off work in advance, complete the operation in advance, reduce surgical accidents and complete the operation smoothly.

But sometimes I don't like to have surgery with highly skilled doctors, because they ask too much, too much, and sometimes even unreasonable.

But all this is for the patient.

Zhang Fan needs to reduce blood pressure. Did the anesthesiologist drop his hat and quit? No, the anesthesiologist at this time, pulling up the three hairs on his head, racked his brains thinking about the ratio of drugs.

The operation of gastric cancer is very simple. First, all venous arteries around the gastric body are ligated and cut off, then the stomach is cut off according to the area and depth of the cancer, and then connected with the intestinal tract, and then the nearby lymph nodes are cleaned around the gastric body.

It's such a simple thing to say clearly in three or two sentences, but it's quite difficult to do.

The stomach is also a connecting organ in the digestive tract. The upper part is connected to the esophagus and the lower part to the intestines. And there are switch valves at the upper and lower ends of the stomach.

Therefore, even if you eat upside down, the grains of rice will not flow back. Of course, the contents of the intestine will not be ejected from the mouth. This is the gate keeping function of the stomach.

Moreover, people are different. In fact, the appearance of the stomach is also different. Fat people, especially those who feel fat at first sight, have a stomach that looks like a big curved moon. If they are full, they can almost look like an oval sphere.

And thin people, thin people with the same stature as bamboo poles, have a thin and curved stomach, just like the waning moon.

The stomach is different, and the blood vessels near the stomach are also different.

Generally speaking, the stomach is actually a muscle pimple. This thing needs to work very hard on weekdays, so it consumes a lot.

The consumption is large, and there are many peripheral blood vessels supplying energy. And this endurance muscle is different from explosive tissue.

Endurance muscles, surrounding blood vessels, arteries and veins are integrated into a spider web like group.

The explosive is often single, relying on the switch of blood vessels to make it congested.

Therefore, drinking and smoking for a long time will make the micro blood vessels stiff. Once the blood vessels are stiff, the switch attached to the blood vessels will not work well. This is why smoking and drinking can make men not lift.

Because there are many large blood vessels and more mutated blood vessels in the stomach, the operation of the stomach is not easy to do.

In the electric classroom, everyone quietly looked at the two people who had changed their positions.

## **Chapter 646**

Surgery, not to mention that doctors sent by different students have different effects. Even if two disciples taught by a master, the effects of surgery are very different.

The simplest thing is that before and after the winter and summer holidays every year, the little demons often see them in the hospital, crying and holding disposable paper cups and walking crabs.

In addition, after the annual recovery season, the hairy boys come to the hospital for secondary development after seeing the world in the army.

For this foreskin operation, all major departments have broken their heads. Pediatric surgery, urology and general surgery can do it. Even male doctors in obstetrics and Gynecology can give you a hammer.

Not for others, because the operation cost is directly the small treasury of the Department, so there are

many departments rushing to do it. The leaders turn a blind eye. This kind of pure manual work, as long as it is not too much

However, this operation is also very susceptible to infection. Doctors with good techniques have little damage. After completion, the wound can be said to be pink, pink, white and red. It is very cute. Therefore, the probability of infection is less.

The poor doctor, holding an electric knife, is like giving people criminal law. He burns people's small (a) Ji (a) Ji like a carbon rod in a battery. His face is disgusting.

Can it not be infected!

This is a small operation. Different doctors do it differently, not to mention a large cancer operation.

In some hospitals, after gastric cancer surgery, patients can live longer. In some hospitals, after surgery, patients don't go home long before they

There are two difficulties in gastric cancer. First, the reconstruction of remnant stomach and intestine. Second, lymph node dissection around the gastric body. These two obstacles, sometimes, are the threshold of a doctor's life.

Not to mention whether it is good or not, whether it can be done is a problem.

.....

After Zhang Fan changed his master's position, the operation speed also increased a lot. After all, his age is here. Moreover, Zhang Fan has no complex emotional factors for single old people in his heart. He can make better choices.

To tell you the truth, Chinese people's senses of meatball country are very complex, but they are not rivals in medical treatment, especially in the treatment of digestive tract, or even rivals.

The five-year survival rate after gastric cancer surgery is about 30% in China, slightly higher in Europe and America, but not much higher. But in Marubeni, it was 30% in the 1960s, and now it has exceeded 70%.

Marubeni's ability to be a Taoist priest in a lion's shell is really no joke. In particular, their diagnosis of gastric cancer is almost 10% in the world, and they have reached 40% early.

From Qiu Zu, Mr. Lu learned a thorough western traditional technique, but after coming to Qingniao, he also had a lot of contact with the medical community in maruzi country.

Although I'm old now and can't keep up with my ideas, I still have my eyes.

"I think the things on the greater omentum are very dangerous. Total cutting or?"

Lu Lao gave way to the position of the main knife, but he still couldn't rest assured completely.

"Cut it all! We can't afford to gamble. Old man Shan doesn't have a second chance of surgery. "

In fact, when he opened his abdominal cavity and smelled, Zhang Fan had decided on the operation method in his heart.

"The total cut damage is not small, his body foundation..." Lu said with a little hesitation.

This is that once the operator and the patient have a relationship, there are too many problems involved. After all, not everyone can give up seven emotions and six desires in life.

Zhang Fan paused slightly, took his gloved hands out of old man Shan's abdominal cavity bloody and gently, then looked up and looked at old Lu: "master, now is not the time to hesitate.

It's better to survive incomplete than to spread after discharge. "

On the operating table, to tell you the truth, Zhang Fan is alone and more dominant, that is, Lu is old. If it was someone else, it is estimated that Zhang Fan would have been unhappy.

Lu Lao looked at Zhang Fan's firm eyes and sighed gently, "OK, cut it all, let's start."

Speaking, Zhang Fan bowed his head and began.

"Gauze!" Zhang Fan wants to pass gauze, one hand gauze, one hand two finger zen, straight into the bottom of the stomach.

For the clarity of the surgical field of vision, Zhang Fan's requirements have reached the point of metamorphosis.

Some doctors don't know whether the operation is done or not, but they can hardly see his operation

vision. There are blood spills and rivers of blood everywhere.

Zhang Fan is different. Regardless of the size of the bleeding, it will be considered in advance. Even if there are variant blood vessels, there will be corresponding surgical measures.

The powerful systematic training made Zhang Fan's brain cut human organs countless times like a slicer, and let Zhang Fan learn again and again.

Therefore, Zhang Fan's operation field is very clean, just like an operation on a mannequin. There is no bleeding. It's so cool!

"Clean, there's no superfluous action under your hands! The idea is also very clear. It's a good seedling. "

In the electric classroom, the mediocre general foreign affairs director carefully looked at Zhang Fan's operation process and gently couldn't help boasting.

"I don't think he is a seedling. He has become a big tree with his own technique.

Director Chen, have you found out that Dr. Zhang never does the operation of turning back, which shows that he is very confident in every step of his operation. "

After hearing the words of director Chen of the golden mean, the director of general foreign affairs of 30x said his own ideas.

"Yes, you're right, and I also found one thing. His technique is not very similar to that of Lu Lao. What do you think?"

"Well, I have the same feeling. Teacher Lu from Qiu Zu should be refined.

However, Dr. Zhang's technique always gives me a feeling of infinite accuracy in opening and closing.

It's a bit of drawing on the strengths of many families. His technique can be said to be similar to Wu instead of Lu Lao! "

With that, he also felt incredible and looked at the 30x general foreign affairs director around him.

Both of them saw a feeling of seeing ghosts and dogs from each other's eyes.

Doctors at their level, without saying anything else, took unknown talents and unknown students.

But there has never been a student like Zhang Fan. At Zhang Fan's age, most of them are still studying for a master's degree, and the better ones are still studying for a doctor, that is, most of them have not jumped out of the category of student apprentices.

But Zhang Fan, the feeling he gives others is that he has already got a master's degree and jumped out of his doctor's degree. He has a self temperament and an independent line of work.

Their surprise was not over. Then, Zhang Fan brought them greater surprise.

Because the operation has reached the first routine difficulty, gastrointestinal reconstruction.

Gastric cancer, what do you want to do and how to do it.

In fact, it means to cut off the stomach, and then directly connect the esophagus or remnant stomach to the intestines, so that food can smoothly enter the intestines from the mouth for digestion and then be discharged. That's what it means.

Everything, once it comes to reengineering and starting over, is not very simple.

The reconstruction of the stomach is much more difficult.

The esophagus is a meat channel, and then the intestine is also a meat channel. The diameter between them is almost the same.

The stomach is like a ball hanging on two meat channels.

It can be said that if something you eat from your mouth can come out of your stomach, it can be discharged from the anal (a) door. For example, if a monkey eats nuts, it must first be stuffed into the anal (a) door. As long as it doesn't hurt, it will be stuffed into your mouth. Once it hurts a little, it will never eat.

Why? Many, many careless parents watch their children. One accidentally swallows a foreign object, such as a glass ball, a small iron ball, and even other foreign objects.

At this time, the child's parents are worried and take the child to the hospital. The doctor will let the child drink the same thin paste as lime water for a perspective and a perspective.

At this time, it's not the doctor who is bothering the parents. If the iron ball or foreign body can pass through the connection between the stomach and the intestines, it's no big deal. Just stare at the toilet. The parents can definitely hear a jingle.

If you can't pass the pass of the stomach, then it's a big deal. Don't underestimate this matter. Once the foreign body is stuck here, you can only split your stomach and take it out. Therefore, especially those with children at home, you must be careful.

For the resection of gastric cancer, the stomach should be cut first as the name suggests, and then the intestines should be connected to the esophagus.



This is the difficulty. A poor doctor, after this reconstruction, the patient really suffered a great crime.

Eat a little more, or feel a little uncomfortable, and then start vomiting!

If you encounter a special type of infarction, wait until the pressure of the digestive tract breaks through the infarction.

My darling, which vomit is very terrible.

Directly like a jet gun, it's not puff, puff, it's directly puff! Boom! Vomit.

Bile, food residues and intestinal contents come out directly from the mouth. Green, purple and black bile, green and white food residues, plus intestinal

Really, this kind of surgical reconstruction is quite exquisite.

Zhang Fan put gauze in his hand, then grabbed the greater omentum and ligated blood vessels bit by bit.

The greater omentum is actually a pearl curtain of fat particles. The yellow fat particles cover the stomach and are very slippery.

Many people like to eat fat meat and the so-called pig suet and pig neck meat. In fact, they should eat less suet and neck meat in their intestines, because this suet is actually the greater omentum.

There is not only fat, but also a lot of lymph! Glands, if there is a disease, this may be the focus, so

Zhang Fan's eyes are like a fluoroscope. Every large blood vessel and every variant blood vessel are treated by him early.

The rich vascular network has not seen any blood outflow. The electric knife passed by, a little smoke, and the greater omentum was separated by Zhang Fan.

"Clever ~!"

At this time, Lu's state of mind also adjusted a lot. After Zhang Fan skillfully and accurately separated the greater omentum, the old man couldn't help praising him.

The expert gatekeeper said that Zhang Fan's hand was separated by a coincidence. It was like a child tearing paper. It was clicking, which could give people a crisp feeling.

Lu Lao originally wanted to mention Zhang Fan, but he didn't expect that Zhang Fan's technique was too skillful, more skillful than the professor of marukuo Rice University he had seen.

Separate the omentum, Zhang fantou doesn't lift, "knife, m scissors!"

After separating the omentum and ligating the blood vessels around the stomach, Zhang Fan laid his hand on the stomach with a sharp weapon.

"Hiss!" There was a lot of cold air in the electric classroom because they saw Zhang Fan's operation.

"Lao Chen, do you think his scope is a little too large. He had such a big resection without opening his stomach? Is it a little reckless? "

The director of the golden mean asked the director of 30x around him in a low voice.

"It should not be. According to his technique and level, there will be no such mistake, but how can he determine that the cancer body in the stomach has such a large range?"

The director of 30x also wondered.

Without hesitation, Zhang Fan directly operated. The biggest advantage of Zhang Fan's system is that it allows him to exercise and hone his skills without limitation, and it can also classify various recorded surgical types of mankind for hundreds of years.

Therefore, Zhang Fan is like an old doctor with a hundred years of experience. For the estimation of this operation, Zhang fan can say that he has too much experience to refer to.

With a knife, it was like cutting a pig's stomach. Old man Shan's stomach was cut neatly by Zhang Fan.

Like taking a child by caesarean section, Zhang Fan held old man Shan's stomach out of his abdominal cavity with both hands.

For the first time, Lu opened his stomach. Like opening a pocket, the shadowless lamp went straight into his stomach.

In the remnant stomach, Zhang Fan's knife edge completely removed the gastric cancer.

"Yes! That's accurate. God, how did he judge? Even if old man Lu cut it himself, it can't be so accurate! "

In the electric classroom, some people who are qualified to call old Lu old man Lu have wide eyes!

## **Chapter 647**

Medical treatment is divided into internal and external. When doctors first chose the road of the second half of their life, in fact, most of them were reluctant to do internal medicine.

After almost five or six years or more of medical education, every student has a longing for surgery.

It is because surgical treatment is closer to the psychological needs of modern people: immediate results.

It doesn't take much time to verify whether the operation is OK, whether it can be done, and whether it is alive or not, while internal medicine is different.

Open the book of internal medicine, you can hardly find a disease without sequelae. Even lobar pneumonia needs time to heal.

Therefore, physicians are very particular about medication. Large and small quantities must be weighed scientifically. Drugs are not beef noodles. You eat two bowls at a meal and then don't eat a day.

It will be poisoned! In addition, some private communities and private clinics make a lot of money every winter.

Moreover, the old men and women around the community also very much recognize each other's medical skills. One thing is: Doctor XX in our yard is too powerful. I'll be fine as soon as I lose three bottles of potions!

Is the cold cured with medicine? Cold medicine is just to relieve symptoms, such as nasal congestion, fever and cough. Even if you don't take medicine, you'll get better with a common cold in a week.

If you really recover from a cold in two days, don't go to see a doctor there in the future.

Not for anything else, because he definitely used hormones in the drugs he gave you! A bottle of antibiotics and then quietly into the pot, an ANN of dexamethasone and other hormones, no one knows, but the curative effect is good.

But dexamethasone doesn't say anything else. How big are the side effects of this thing, and this is used to save lives at a critical moment.

At the time of SARS, the medical leaders of the north and the South almost beat out the dog's brain about whether to use this hormone or not.

But some unscrupulous doctors, a little cold, in order to get in and out quickly and make more money, directly put hormones into the pot.

Once there is a history of repeated use of hormones, there may be no medicine available when you have bad luck in the future.

To earn this dirty money, really, you might as well do something else. It's too bad conscience.

Therefore, surgery can not only achieve immediate results, but also make a doctor famous or fail very quickly.

When old man Shan's stomach was cut off, the big guys sitting in the front row were like frying a pot in the audio-visual education room.

It's too accurate. It's so accurate that they can't even think of it. One or two, carefully look at Zhang Fan in the display screen. At this time, they really put Zhang Fan in the position of chief surgeon instead of looking at Lu's face.

The big guys in the front row fried the pot, and then some young doctors in the back row stayed cute.

"What's the matter? What's up? What happened to the big guys in front. There's nothing wrong with the operation! It's very clean. If my Shifu let me start, I think I can do it... "

In fact, the young doctor thought about it in his heart. He didn't dare to say it. He was joking. No matter how bold he was, he was scared to death when he gave a big gastrectomy.

.....

After cutting off his stomach, Zhang Fan said to Lu, "master, take a biopsy!"

"Good! Go on, you don't have to worry about this little thing. " Old Lu looked at the remnant stomach cut off by Zhang Fan.

The mouth didn't say, but the eyes were full of shock, even if it was accurate. Zhang Fan still cut blindly, even if he cut blindly, he didn't even hesitate.

What does this mean? This shows that Zhang Fan has a good idea of this operation.

While taking a biopsy, old Lu looked at the little disciple opposite, looking at his serious expression and focused expression.

The old man had a happy feeling in his heart, "it's really lucky. I'm old. God threw me a genius from mid

air.

Talent, character, no one can jump stab. It is this bastard who is a little stubborn and has his own attention! "

After taking the biopsy, the old man changed his gloves and continued to be Zhang Fan's assistant.

Before cutting the stomach, although there was a camera on the shadowless lamp, the people in the electric classroom could not see Zhang Fan's operation clearly.

Because a lot of this operation is operated under the stomach, the shielding of the stomach, the shielding of the operator's hand, and the operator's head, you can see really little.

But after gastrectomy, people in the electric classroom can really see the operator's operation.

Hang the line on the esophagus, separate the intestinal tract, and then elongate the intestinal tract originally below and continue on the remnant stomach.

With ease and ease, Zhang Fan's intestines and steaming intestines are just like the fat boss who has sold stewed meat for many years. He is so skilled that he can't put them on the electronic scale. If you want one kilogram, he will never exceed one kilogram or two.

Suture, reconstruction, Zhang Fan's reconstruction operation is particularly clear. It's not sloppy at all. Moreover, Zhang Fan's fixed technique is very classic.

From the later atrophy of the patient's wound to the later expansion of the intestine, Zhang Fan took it into account.

A fixed will make the experts, including Lu Lao, speechless. What can you say?

praise? When seeing Zhang Fan's such means, the experts in the electric classroom couldn't even praise. Because they think that even if they do it, the operation will be nothing more than that.

After the reconstruction, Zhang Fan immediately began lymph node dissection. The second difficulty of cancer surgery has come.

Many cancer surgeries are done very well before surgery. Doctors can cut them very clean, but at this stage.

To tell you the truth, the difference between a national hand and an expert comes.

Lymph, what is this thing like? To be honest, most medical students are vague about this part in their early study.

Because the textbook is too general about lymph. This also shows that human research on lymph is not very thorough.

The shape of lymph nodes, normal lymph nodes are about the size of beige sesame seeds.

Roughly speaking, this thing is actually an intravenous assistant. It flows some blood components and special hormone factors.

Each segment of lymph is like an ischemic vein. It is soft and prone near the veins and arteries. After a certain distance, this thing has a concentration point, the so-called lymph node.

Whenever the human body has a disease, it will swell here, because it also has a function of participating in immunity, especially children. When they catch a cold, a small pimple will appear behind their ears. This is because the lymph nodes become larger and secrete immune factors.

Moreover, the location of this thing, even in textbooks, can only say an approximate location, because its assembly place is very scattered.

Therefore, many times, once the surgery, especially cancer surgery, is not cleaned up, it can be said that this operation is a failure.

Why not clean it carefully and completely?

First, the position is not fixed. Second, there are too many things, just like sesame on sesame cake. Third, its assembly position is generally a very dangerous place, so doctors are frightened when they start cleaning.

Moreover, cancer surgery is very time-consuming, and it is particularly difficult to completely clean lymph nodes in a short time.

When Zhang Fan began to clean his lymph nodes, the experts in the electric classroom sat up one by one.

More than two hours have passed, and the end will begin soon.

"Scraper!"

Zhang Fan directly reached out and asked the nurse for a curette.

"Er!" This time, no one dared to speak out the question. Say it once, you can still say you don't understand. Say it twice, don't we have a card.

Although the experts were surprised, no one said that they had put Zhang Fan in the same position and at the same level.

A pot of face!

"Zhang Fan, don't you separate?"

Lu asked.

"No! And it took too long. Old man Shan probably can't stand it. "

After Zhang Fan said a word gently, he didn't say much more!

Pop! The curette was firmly placed in Zhang Fan's hand, and the bloody gloves firmly grasped the curette.

"Er!" When he saw Zhang Fan's action, Lu's eyes were frightened and his heart shrank into a ball of wool.

.....

## **Chapter 648**

During the operation, pay attention to a way of not turning back. An operation consists of many steps, the simplest of which is to cut the appendix.

This thing doesn't mean that you can open your stomach with a knife, then pull out your intestines, cut off your appendix, and then put it in.

First, separate and stop bleeding layer by layer, then cut off the arteries and veins near the appendix, and then disconnect, disinfect and suture.

Don't underestimate these separation and hemostasis. These are no simpler than the last knife. It can be said that it is really a good fighter without a reputation.

In the mid and late 1990s, there was a unhealthy trend in the medical sector. Not only patients and their families chose doctors by comparing the speed of surgery, but even doctors fought for speed.

Even an appendectomy in five minutes. To tell you the truth, it really takes half an hour, including the anesthesia time.

But how does the five minute operation do? Pull the patient in. The most important thing is to bind the patient firmly first, and then local anesthesia.

The anesthesia hasn't come into effect yet. His knife has gone down. Point it at Michaelis's point, go down with a knife and directly cut through the skin and muscles. Then the two finger zen pulled out the appendix and cut it off. The purse was not sewn, and the flat needle was sewn directly.

To tell the truth, in case of a well positioned appendix, this operation technique can't be used for five minutes. But the damage to the patient is not great.

It can be said that both mind and body are damaged.

The operating room is like a slaughterhouse. The patient, who is as strong as a bear, cries in pain and tears. It can definitely make patients tremble when they hear the operation and when they see the doctor's egg.

Then there is the wound. The healed wound is like Tianjin Mahua. If you need to do abdominal surgery again in the future, it is estimated that the later doctors can scold the doctors who do appendicitis to death.

A good doctor can almost see the original level after the operation and the healing of the surgical incision. This is a good doctor. Although we can't see it, we know it.

The operation needs to be fast, of course. This speed is fast on the premise of scientific proficiency, not as fast as recklessly killing a pig.

The less time, the shorter the exposure, the lower the chance of infection and injury. However, in the operation of lymph node dissection, the time is really hard to say.

This thing is too scattered. Sometimes a sesame seed is not cleaned. Maybe the operation will fail in the future.

General cleaning is to separate, take off all kinds of coats covering the lymph nodes, and clean them little by little after you see them clearly, and even clamp them one by one with tweezers.

The structure of lymphatic vessels and veins is similar. There are many clothes outside, layer by layer. It is particularly troublesome to separate, so it takes a lot of time.



Zhang Fan, however, doesn't know much about this lymphatic structure. He has already established a structure in his mind.

Then, with super accurate hands, holding a large curette, directly start.

Why do ordinary doctors need to separate tissues and clean up after seeing the lymph nodes? First, this thing is scattered. Second, lymph nodes often climb near the large blood vessels, and some even climb directly on the blood vessels.

Blood vessels are soft. It's not the Yellow throat of hot pot. Even if the Yellow throat is soft and tender in hot pot ingredients.

Generally speaking, lymph nodes are like some decorations on underwear, like water diamonds on underwear. If you don't cut the silk thread near the water diamond, you can pull it directly. Maybe you'll break your underwear. The girl who was originally happy will turn her face and slap her lightly.

Therefore, conventional doctors should see clearly, carefully, and then clean slowly. Moreover, when they encounter lymph nodes lying on blood vessels, they often sweep them with their hearts. Blood vessels are actually the same as girls with uncertain minds, and they may turn back at any time.

Old man Shan is old and can't afford to wait for such a long time. Now there are few choices. Do you want to finish the careless cleaning? How long he can live after the operation depends on his life.

Do you want it? After carefully cleaning the lymph nodes, but whether old man Shan can get off the operating table depends on his life.

But, can Zhang Fan leave Old Man Shan's life to God to decide at this time? No!

He worked day and night for what? Not to be forced in front of everyone!

In order to break the wrist with God at this moment.

In order to give patients a chance to live.

So that the patient can walk healthily in the sun.

The purpose is to enable patients to continue to enjoy the happiness of their family as ordinary people.

Old man Shan dares to trust Zhang Fan and give his life to Zhang Fan. Zhang Fan has to explain to others. The most important contractual relationship in medical relations is becoming more and more paper-based. The bottom line in Zhang Fan's heart can't let him die hastily.

The curette started directly, from top to bottom, along the surface of the large blood vessels, Zhang Fan

started steadily.

Old Lu's eyelids trembled so badly that he was nervous that he didn't even dare to make a sound. He even seemed to hear the hiss of scraping blood vessels with a curette in Zhang Fan's hand.

To tell the truth, Zhang Fan only needs a little hand weight at this time, and the abdominal aorta will definitely open. If the blood vessel is broken, the fountain is light, and it is a water cannon directly! Old man Shan has to see old ma every minute.

Hiss! Hiss! The tissue on the blood vessels is like strawberry ice cream eaten by children. Scoop by scoop, the small particles on the strawberries are obviously dug out, and the particles are clear!

Hiss! Hiss! Once, the beating of blood vessels is under Zhang Fan's curette, beating with Zhang Fan's curette.

It's like ridicule. Come on, if you have the ability, come on! Or, like the dark door in the early years, shaking a handkerchief, tempting and shouting: come and play!

People have a characteristic. When they stand high, they have the impulse to jump down. For example, when they stand on the roof of a high building and look down, they definitely don't think wow, it's so broad. It must be that I want to jump down.

When you meet a pulse, you must want to open it and see what's beating inside.

Therefore, when the red artery beats, every time Zhang fan starts and every time the curette rises and falls, Lu's eyelids are like eating jumping candy, and his breathing is not smooth.

At this time, Lu Lao didn't regret and didn't want to give advice, because the whole TM was nervous, not to mention the palms of his hands, even the soles of his feet were rolling with sweat beads.

In the electric classroom, the atmosphere is particularly strange. The big men in the front row, like their bodies, clenched their fists and straightened their trunks. Their eyes stared like cattle. With Zhang Fan's up and down, they breathed and inhaled as if they were scraping.

If we put them and Zhang Fan together in a row at this time, it will be like a choir. Everyone will breathe and shake together!

Because they know too much about the difficulty. More or less, they have done this before. They know too much about the degree of danger.

It's no exaggeration to go from heaven to hell.

The young doctors in the back row are different. The savvy doctor looked at Zhang Fan's technique carefully. Although he couldn't see anything, his eyes didn't want to leave for a moment. It was like lying

in the crack of the door peeping, and his heart beat fast.

Those with poor understanding and lack of ambition are like watching pantomime, "what do you think he's doing this for? Silly? "

"Egg, you are stupid. Can someone stand in this place and operate on such an important person?"

"Can't he do it safely? If it's not clean, it's not clean. Who can eat him? If you're lucky, the old man will live for three or two years, he'll be very angry? "

As soon as he said this, the other one stopped talking. Yes, Lao Li, who had blind surgery in those years, is now in the clinic for a long time, and he is not allowed to enter the operating room!

Blind cutting and scraping are good talk, legend and story, and failure is an accident. Many, many talented doctors bury their future in this technique.

You're an expert if you don't overturn. Everyone holds you, but once you overturn, you're a sinner, as Wanfu points out.

Zhang Fan's heart is full of emptiness. After countless days and nights of exercise, he could have achieved a kind of emptiness and a realm of ignoring temptation.

In his eyes, the beating artery is very slow, very slow, as slow as a snail, unattractive.

Every time the artery jumps down, Zhang Fan takes his hand. Every time the artery jumps up, Zhang fan stops, just like comforting a dog. He shows his kung fu up and down.

The tight God level brought the stability of Zhang Fan's hands to the extreme. A little bit, the metal scraper was like a soft and flexible tongue of an old guest in Zhang Fan's hands.

The first lick, licked the rouge.

The second lick, licked off the grease.

The third lick, licked the gray and black dirt.

After a while, finally like freckles, the lymph nodes were scraped clean by Zhang Fan.

Finally, Zhang Fan gently put down the curette. When the curette was put down, the bright red artery beat very clearly.

Just as the robber put down his gun, the people who understood it took a long sigh of relief.

Lu Lao, dressed in white hair and sweat, pursed his trembling lips,

The experts of the choir couldn't help touching the sweat on the high hairline like dew.

"Too brave!" After an operation, the experts in the electric classroom forgot Zhang Fan's technique and Zhang Fan's accuracy. There was only one idea, "too bold!"

This technique, as a last resort, has gone too far. But they didn't expect that Zhang Fan kept scraping from the end to the end.

"Gollum!" Lu's voice was particularly clear, "Zhang Fan, so..."

He can't say, nor can he say that this technology has surpassed him in technique. Even when he is at the peak, he can't do this step.

The old man looked up at Zhang Fan. Finally, he saw the glittering beads of sweat under Zhang Fan's prosperity line.

The old man smiled and asked softly, "are you tired? Can you insist? If you're tired, go down and have a rest. Let me finish the rest for you. "

"Master, it's OK. Why don't you go down and have a rest? Help me stand on the platform below? "

The old man seemed to be waiting for this sentence, "OK, OK, let your martial brothers help you. I'll go down and have a rest now!"

The elder martial brothers waiting at the door of the operating room came in and looked at Zhang Fan with strange smiles.

"Younger martial brother! When will you come? "

"Younger martial brother, how do you exercise your skill!"

Laughing, the operation is over. The families waiting outside the door don't know. They don't know what the doctor has done. They can only expect the doctor to do his best.

Yes, the doctor really tried!

## **Chapter 649**

In the operating room of the hospital, Zhang Fan and his friends have started the finishing work of the operation. In fact, it is not only the staff in the operating room who are making every effort.

Almost the whole hospital is making efforts for this special operation. The equipment department has made a major inspection three days in advance. It must ensure that there are no problems with the equipment in the operating room during the operation.

Almost everyone in the pharmacy department, blood bank and nursing department has worked hard for the successful completion of the operation in the operating room.

Even the security guard at the gate of the hospital was much more serious than usual, "who sells pancakes, don't shout! Then yell to sell in other places. "

Therefore, a lot of people work for an operation. The hospital will take special operations very seriously.

To tell you the truth, a hospital can take the lead in a region or a city, even if it has the upper hand. In fact, it's very fast to say no. It won't be long, two or three years.

For example, Zhang Fanzhen put old man Shan on the table. Well, let's not mention anything else. The direct chain reaction, especially in some systems within the system, is discussed like this:

What ah? Even old Shan can put his life on the operating table. How dare you go to their hospital to see breast hyperplasia? Don't go quickly. Be careful that people pinch you.

Then, from top to bottom, a trend began, and slowly, the hospital began to have a worse and worse reputation.

As a very famous doctor, it is actually very similar to the hospital, so when the experts and scholars in the electric classroom read Zhang Fan's surgeon, they really have mixed feelings.

Is this operation difficult? Very difficult, not only difficult, but also the risk factor is very high.

Can they do it? To tell you the truth, if you force them to the point where there is no way back, maybe they can follow suit.

But the price that needs to be borne is too big. Therefore, when the operation was coming to an end, the experts were silent.

Is Zhang Fan's operation wonderful? Wonderful! Manipulation is not coquettish, indeed coquettish. However, just as they opened their Confucian robes, they looked at Zhang Fan and admired him, but they didn't envy him.

This is also the sorrow of medical treatment... But for no fault, no merit.

On the contrary, some young hairy doctors sitting in the back row were in full swing.

"Shit, it's so awesome. I've never seen such an awesome technique. The abdominal aorta, which is the abdominal aorta, directly scrape it with a curette. Darling, I'm scared and in a cold sweat!"

"Yes, yes, that's great. I don't know how he practiced it. Tell me, did they let him connect like this? "

As soon as he said this, everyone looked at him like a fool.

A little more mature doctor said, "it is estimated that it was practiced in the laboratory. It should not be possible in the operating room..."

"When can I have him! If I had this skill, I could walk sideways in our hospital. "

A doctor who had been hospitalized for several years and experienced the slap of the unit looked at Zhang Fan in the display and said with envy.

"Pa!" The director of the political and religious department slapped the doctor on the shoulder.

"Stop dreaming. Hurry to clean up the venue. With such a powerful technique, you even want to be a crab in the hospital! How modest you are, Doctor Zhang! "

.....

After the operation, old Lu took the lead, followed by Zhang Fan and his disciples, and accompanied old man Shan out of the operating room.

"Go directly to the intensive care unit. I'll explain to my family. Zhang Fan, you go with me! " Old Lu looked at the disciples behind him and said.

"Master, you go, I won't go!" Zhang Fan said with a slight embarrassment with a surgical cap in his hand.

"Hey, go! It's time to be shy. " Master brother smiled and pushed Zhang Fan.

.....

Outside the operating room, the family members of single old man gathered together, not only the family members of single old man, but also some government personnel.

At this time, old man Shan's grandson answered the phone. I don't know who called him in the hospital.

"Mr. Shan, the operation has been completed. Although the operation has twists and turns, it has been very successful..." just like Wen Chou Chou, there are such people everywhere and at any time.

"What's going on!" Xiao Shan frowned, and her tone was not very pleasant!

"At the beginning, it was Lu Yuan's main knife. When opening the abdominal cavity, the tumor was too large and Lu Yuan was not sure. At that time, I told you..."

"Less nonsense and focus!"

"Well, good! Doctor Zhang Fan, one of Lu's disciples from the northwest, took over.

I was almost worried at that time. You think, Lu Yuandu

As a result, I didn't expect that Doctor Zhang Fan was too powerful. The experts in the electric classroom admired him for his wonderful operation. "

"Are you sure the operation was very good?" Don't worry about small orders! Other people's words he will doubt, this person's words he won't, because this person doesn't have the courage to lie to him.

A man's mouth is short and a man's hand is short

"Absolutely well done. I use my head to guarantee you. To tell you the truth, I saw which remnant stomach Dr. Zhang Fan took out. To tell you the truth, I've never seen anyone who can cut so badly..."

After hanging up the phone, Xiao Shan's heart was relieved. At this time, Lu Lao and Zhang Fan came out.

"Old sister-in-law, worry."

"Don't worry, don't worry!" The old lady said she wasn't worried, but her eyes kept staring at old Lu behind them.

"Brother Shan has been sent to the intensive care unit. When you wake up, you can take turns to go in and have a look. The operation was done very well. "

After saying this, Lu stood up and said to the young generation, "the old man's tumor was cut completely, and the operation is very difficult. If it weren't for my disciple, it's really hard to say this time."

Zhang Fan didn't expect the old man to be so direct and hurriedly said, "master..."

"Good is good. There's nothing to hide. Without you this time, brother Shan's operation would not have been so successful. "

.....

After giving an account to his family, Lu took Zhang Fan to the electric classroom.

After the operation, the young doctors had long been driven away, leaving only some experts.

When Lu Lao opened the door, there were cheers of not wasting money one after another.

"Lu Yuan has a good eye!"

"No wonder you retired so neatly this time. It turned out that you had no worries at home!"

.....

"Hehe, how about my little apprentice? Can you see it?"

Lu Lao's own eyes are happy to become a seam. In fact, people are like this. They are higher and lower when they are young and younger when they are old.

These experts are from the general foreign education department of China. To be honest, Lu doesn't have to be polite to them.

You know me, I know you. Everyone knows how much water is in someone's bowl.

"It's too much to see!"

"Ha ha, green is better than blue!"

"Definitely better than you were!"

Originally thinking that old man Lu was going to quit, everyone came to support him with a feeling of heroic doom. Instead, old man Lu was proud.

Congratulations, the moment becomes ridicule.

Old Lu looked like he had a son and everything was sufficient, and he didn't care about them. After a brief greeting.



Old Lu said, "after a while, my old man will trouble everyone."

Listen to what old Lu said, everyone is curious.

"What's the matter? First tell me what it is. "

"It's not a big deal! My little apprentice wrote a paper. At that time, please give me a face? "

As soon as Zhang Fan listened, he looked at old Lu in wonder, but he didn't speak. What the master said is what. Anyway, he won't hurt him.

"What should I do? I'll forget it. This year's scientific research task is particularly heavy, and I haven't brought a doctor for many years!"

The tone of one or two is similar. Either the scientific research task is heavy or the body is not good. Anyway, everyone has one mind. "It's not enough to show off. We want to push again. Old man Lu is not authentic."

"Hehe, look, look, look at the attitude of you guys. To be a man, we should be atmospheric. Not a doctoral dissertation! " Lu Laolian smiled and pointed to a group of old friends who were jealous.

"He just graduated with a master's degree?"

They were surprised, but when they looked at Zhang Fan's green face again, it was clear that he stole a red face in a slight black.

"The baby is not old, that is, his face is black, which makes him look a little older!"

"Ha ha, I don't know about my master's thesis! He is still an undergraduate. "

Uh! This time, it directly surprised everyone's big teeth.

## **Chapter 650**

In the electric classroom, everyone looked at Zhang Fan like a male cat in spring looking at a little female cat in the window. Fire came out.

"Young man, in fact, the liver and gall are not very good. The focus of general foreign education is still on the gastrointestinal tract. I tell you, I spend tens of millions of scientific research projects forcibly dispatched by the state every year..."

"All right, save it. You can say that after eight years of research on a project, the meatball country has been beaten away. You haven't come to a conclusion yet! It's estimated that the doctors under your hand are almost finished! "

"You..."

"Young man, when you are a doctor, you should first solve your worries. How many knives do you have to fly to buy a house in the capital with the current house price?

I have a special quota this year. I gave it to you directly, and I also gave you the treatment of a special talent. How about a house within the Fifth Ring Road of the capital! "

.....

Young, young represents strong plasticity, and young represents great potential in the future. And Zhang Fan, a discerning man, knows at a glance that as long as he grows up honestly and step by step, he will definitely be a top man in the future.

Therefore, although they know it is impossible, they can't help but stretch out their own olive branches. How can they know if they can't do things in the world without trying? What if they really do?

"Er!" Zhang Fan was a little unprepared. When he heard old Lu talking about his education, he was ready to bow his head and be laughed at.

A large group of characters can be found in the teaching books. When Zhang Fan faces them, he is really a little uncomfortable.

However, when Lu finished, these Danas hanging in the sky were like Grandma wolf. Zhang Fan really didn't expect it.

"Hehe, what are you doing? You've never seen the world. Ha ha! "

In front of Lu Lao, they seduced Zhang Fan. Lu Lao was not only not angry, but also very happy. At their age, it is estimated that it is impossible for the other party to admit that medical technology is only better than disciples.

"Hey, save it. Old man Lu, you have the ability to let your disciples out. Let me tell you, the most taboo in research is inbreeding.

Look at you. In terms of liver and gall, old Qiu and your martial brothers have finished their research. Can you still get a flower?

Don't waste other people's talents. It won't be long before you come to my hands. I'll teach you a gastrointestinal expert. You say it's good. Why not? "

"Ha ha! My eyes are better than yours! "

"Great, great! The thief's eye of old man you Lu belongs to us! " With this, the moderate chief of surgery raised his thumb.

I can't do without admiration. I really can't help but admire a little doctor with a bachelor's degree from the vast medical army.

"Ha ha, ha ha." Old man Shan's operation ended perfectly, and Lu was always very happy that he could give thumbs up to the guys for half his life.

"Let's not say anything else. When Zhang Fan writes his paper, I'll tell you whether you'll come or not. My disciple, as you said, may not be bold. How about contacting in advance if you have ideas!"

"Atmosphere, Lu Yuan atmosphere, Lu Yuan can be rated as the moral model of China this year. Ha ha! "

They decided with laughter that when Zhang Fan's paper came out, they would never be absent.

.....

After sending them off, Zhang Fan asked, "master, what do you mean..."

Zhang Fan thought that old Lu set him a future development direction.

"Ha ha, let's try to impress them. Your martial uncle hasn't spoken anywhere. What are you worried about.

Besides, if you have a good relationship with these old guys, your future will be much easier. "

"Oh, where..."

Before Zhang Fan finished, old Lu said, "all right, I have to go and have a rest. You also have a rest."

Old Lu really can't hold on.

Zhang Fan is not tired. It is false to say that he is not tired. Just like talking and chatting, if you let a person lie on the sofa drinking tea and gossiping, it is estimated that you can talk for a day.

But you can let him quarrel with his sworn enemy. Those who can quarrel for an hour are the people who dominate the four streets.

And Zhang Fan, after three or four hours of concentration, to tell the truth, he didn't pee smoothly.

Surgeons, many surgeons pull up their trouser legs when they are old. They can't see any varicose veins.

.....

Old man Shan's grandson, to tell you the truth, has a lot of thoughts, but he doesn't have much thoughts and can't make a lot of money. Zhang Fan gave his old man's surgical image data. He even got his hand, and then found several experts from other provinces to see it again.

The result is self-evident. There is no one who doesn't agree.

Now, the boy is interested. Entertaining Zhang Fan before the operation is not a reassurance for himself. Now, after understanding the strength of Zhang Fan, he pays attention.

It's a little, please take a seat, please take a seat.

The preoperative reception was unfriendly, and the postoperative reception was human. Therefore, after seeing his father the next day, Xiaoshan took his elders and entertained old Chen and old Lu. He also personally invited Zhang Fan and old Chen's little granddaughter.

This time, the invitation was much more polite. There was no superior taste and no sense of being arrogant, but the dishes really gave Zhang Fan a taste.

According to Qilu's old rule of entertaining distinguished guests, eight cools and nine heats a soup. Among the cold dishes, what's in the sea and on the road can really be said to be Shanzhen and seafood.

Among the cold dishes, the last one is the sessile Earth Star, one for each person, not much.

This thing looks good in a small white porcelain bowl.

In the small white porcelain bowl, there is a light color soup thickened with Chinese wolfberry on it. When the waiter brings it up, it really makes people reluctant to eat.

Round and moist, a spherical silvery white sporangium the size of a walnut is placed on a circle of mushrooms like a skirt.

The soup floats and the dish floats slowly. It's really like a pearl of the night.

"Grandpa Lu and grandpa Chen, try this. This thing is only found in the desert of North America."

The small list didn't say much. After explaining to the old people, he quietly said to Zhang Fan, "this is a good thing. It is said that Lao Ken ate a lot of this thing and took his rich wife."

In fact, the relationship between people is like this. If you don't let go, say some yellow jokes, and then deliberately make friends, the relationship will gradually get along.

The old man of his family is getting worse year by year. Old Lu can't count on it slowly. He puts his mind on Zhang Fan.

Zhang Fan was a little scared. He knew this so-called tonic very well. It's hard to say whether it had any effect on deer edge, tiger bone and wild boar belly. Anyway, he knew it at the beginning. Eating this can make people scratch the wall.

There are nine hot dishes, showing Qilu culture. One is rabbit mackerel, and Zhang fan can't stop eating it.

A mouthful of fish really makes people feel soft and tough. It's too soft to bite with teeth and a little tough to press with the tongue, but it's this kind of fish. When it comes into contact with the taste buds, the aftertaste really fills the mouth with a strange fragrance, which makes people reluctant to swallow and spit.

On the way to dinner, old man Shan's wife mentioned the flower and his grandson again.

What kind of flower is it? Eat well, drink well and prepare to run. But this time it's different.

The old lady said pitifully, "Lao Shan's illness this time is really thanks to old Lu, old Chen, Doctor Zhang and the little one. My old lady will bring you some tea for him! "

Old Lu certainly wouldn't let the old lady toss about. The old lady who pushed three times and blocked four times also sat down, but asked Xiaoshan to bring him tea.

After everyone had a drink, the old lady said, "the operation is finished, but Lao Shan's heart is in trouble, and his spirit is not good day by day."

"What happened to brother Shan?" Lu Laona asked stiffly.

Xiao Shan looked at Zhang Fan and wondered, "is this guy a foodie? When he gave him his watch, he weighed it in his hand and returned it to me. It was like picking watermelon. It looked like a mallet, but it was not polite to eat. He had a clear door! "

"Lao Shan is worried about his little grandson's marriage..."

As soon as he said this, the flower he was competing with Zhang Fan to eat was not strong, and the chopsticks stretched out were much dry.

Old man Chen nodded and said that women should be married and men should be married. Then he looked at the flower.

Everyone's attitude is also very clear. Like catching a duck on the shelf, they want the flower to nod and agree.

.....

The original lively banquet ended in embarrassment, because the flower didn't nod.

In their family, not nodding means rejection, so the old people are a little

However, it didn't have a great impact on Zhang Fan. The food was full of trenches and flat. During the dinner, he could be a passer-by to see jokes.

But when the party was over and out of the door, Zhang Fan was almost scared to death after the flower asked Zhang Fan a word.