

Chapter 311

On Sunday, Zhang Fan went to the ward round early in the morning. If he is not on duty at the weekend, there will generally be no operation, unless there is an emergency or a special operation arranged early. Xue Fei was lazy and didn't come. Lao Xue really made Zhang Fan tired these days. Although he said that he only changed the dressing, he had to go when the operation was busy. When the medical record couldn't be finished, Wang Yanan could definitely pull him to write the medical record. After a long weekend, Zhang Fan didn't call him again.

"Uncle, I changed your dressing today and recovered well. It's just that you ate a little too well recently. It's not necessary to have elbows or pig feet every day." Zhang Fan said to an old man after surgery for a lower limb fracture.

"Ah! Doctor Zhang, you just don't understand. As the old saying goes, "what you eat makes up for what you eat, you're still too young!" The old man must be greedy. People are like this. When it hurts before the operation, what Zhang Fan says is what he says. The old man is very obedient. As soon as the operation is finished, he doesn't hurt, so he doesn't listen to Zhang Fan much!

At the end of the ward round, Zhang Fan said to Wang Yanan, "I have something to do today. Can you change the dressing?"

"OK, you can do it. If you have something to do, don't come in the morning. Don't worry about me! "

"It's not that I don't trust you. I can't let go if I don't come to have a look. Hey, that's it. All right, I won't say much. I'll go first." After Zhang Fan finished speaking to Wang Yanan, he said to the two transferred female doctors, "it's hard!"

"It's not hard, but Zhang Fan, you want to invite us to dinner." Jiang Nini said with a smile. The girl smiled like a flower. Really, Zhang Fan didn't dare to see more.

"Ha ha!" Zhang Fan smiled and went out.

"Stingy!" Jiang Nini muttered.

In the brotherhood hospital, there were a lot of people at this time, and it was still very rare for blacks. There were not only blacks, but several blacks. Li Liang is not short, but standing in front of these blacks, he is not only short, but also very thin. Zhang Fan looked at them and was a little surprised.

On TV, looking at them on the court, they don't seem to be very tall, but when they really stand in front of them, they are directly a wall, a black wall. What do these people say? One of the tallest and

strongest of them is a professional basketball player. It is said that he played in the NBA for several years when he was young. Now he is a little old and comes to China to make money.

Reasonably speaking, such professional players, especially basketball players with high commercialization, should earn a lot, but this guy is really poor. According to Wang Yongyong's friends on the basketball team, the black has overdrawn his salary until next quarter. Even if this guy has no money, there are always so many black brothers around him. If he has money, he squanders it. If he doesn't have money, he borrows it. It's impossible to save money.

This guy is not self disciplined. He eats, drinks, whores and gambles. Anyway, he plays very well. It is said that the local tyrant began to regret three months after signing the contract, because he was injured, can't play and can't play, so he directly became a senior citizen. The injury is not serious, which is very similar to that of Yao. The metatarsophalangeal joint is damaged, but he just can't play. The local tyrant was dying of loss. It was a pity to throw away the handle. If he didn't throw it, he would have to spend a huge amount of operation expenses. When I was hesitating, I heard Wang Yongyong's friends talk about Zhang Fan.

Wang Yongyong's buddy is the physical fitness coach of the basketball team. He is in charge of the physical fitness of the players. Because he is more professional, he also worries about the physical fitness of the boss's family. Once when the boss was exercising, he chatted about it. As a result, the boss fell in love. Why, because the operation cost is cheap and the effect is good. In China, it's not too difficult to find an surgeon who specializes in sports medicine.

Although these local tyrants are extremely rich, in fact, the decent rich generation have experienced the struggle stage of suffering from hardship and poverty. They buy the team for profit or advertising, but the money is not blown by the wind. It is estimated that he can't give up to invite a national player for this chicken rib like guy. So after hearing this, and then sending someone to inquire, there was a trip to tea vegetarians by these black people.

When Zhang Fan arrived at the hospital, there were many old men and women who got up in the morning to buy vegetables and exercise. After all, it's a small city. Although foreigners have seen a lot on the border, it's the first time to see such big black men, who are still dressed strangely. They hold the door to see the Western scenery.

These black men, tall and strong, are even better. They dress strangely. Colorful clothes, big gold chains and super exaggerated gold chains are like Buddha beads on monk Sha's chest. Earrings are nothing. They either have rings on their nose or on their lips. Especially on the lips, there is a shiny ring on the very thick lips. It looks like two sausages are strung together.

Wang Yongyong is a middleman. He's here this time. Seeing Zhang Fan from afar, he happily came over and hugged Zhang Fan. Now he has a comfortable life, because after Zhang Fan's operation on his old knee joint, he can still work as a fitness coach after work, with a good income and a lot of spirit.

"Ha ha, Doctor Zhang, I haven't seen you for a long time. I miss you so much!" Wang Yongyong happily hugged Zhang Fan.

"Coach Wang, hehe, how's it going? How's your knee now?"

"Good, I can do squatting now!" Wang Yongyong exaggerated his knee.

After a little greeting, Wang Yongyong took Zhang Fan to several blacks. Next to the blacks stood a short woman. Among a group of blacks, she was like a young child. Wang Yongyong took Zhang Fan to the woman and said, "this is Ms. Wang, the person in charge. This is the chief surgeon, Dr. Zhang. "

"Hello, Dr. Zhang." Ms. Wang wears large black eye glasses, light makeup and a professional workplace suit. She looks very polite.

"Hello, manager Wang." Zhang Fan smiled and shook hands with Ms. Wang. Ms. Wang introduced a black man to Zhang Fan. The black man was also enthusiastic and shook hands with Zhang Fan. Zhang Fan is very surprised. It's really big. This hand is too big. It's estimated that it can be about one-third bigger than Zhang Fan's hand.

Ms. Wang is not only the person in charge, but also a translator. She doesn't translate. These black people can't understand a word of Chinese. Therefore, she doesn't avoid. She directly began to talk about business with Zhang Fan, Batu and Lao Chen " Dr. Zhang, can you predict that he can still play basketball after his operation? If you can play, how long will it take to recover. " They have already inquired about the operation fee. Originally, Batu wanted to start the price on the ground. As a result, people directly took out the price list of the hospital. It's not unreasonable for them to succeed.

"It's hard to say. We must first do a perfect examination, and then look at the specific situation during the operation. After the operation, we will look at the patient's recovery. I'm really not sure when I can move or participate in vigorous antagonistic exercise. " Zhang Fan said one thing and did not exaggerate.

"After the operation, he can't play again, that is, he can't play basketball." Ms. Wang asked again.

"It's hard to say."

"According to your professional judgment, it is an estimate. If he really can't play in the future, we won't blame you. Is that all right? " Ms. Wang had to report to her superiors, so she had to ask Zhang Fan to predict. Business is business. Their concerns are different from those of Zhang Fan.

"Well! In this way, check first and do some necessary checks. Then, I will make a preliminary estimate. "

"We have done the examination. This is MRI and this is CT." Speaking, Ms. Wang took out many inspection results.

Zhang Fan didn't care. After taking the film, he went to study with Lao Chen and Li Liang. Batu accompanied Ms. Wang to chat with a group of blacks.

"Yes! However, according to his weight, it is estimated that it will take half a year to recover. " After watching the film, Zhang Fan looked up and down at the black again and said.

"OK, please go to the hospital." Ms. Wang stood up happily. When she was in the bird market, the experts had said that it was impossible for him to play again! Now the dead horse is the living horse doctor. Although the doctor is very young, he is well-known.

After that, Ms. Wang said a few words to the black. During this time, Zhang Fan worked hard to learn English. He understood some of Ms. Wang's words, which means that the doctor is very powerful and can heal you. However, he didn't understand what the Black said. It seems that there is a sentence that he dislikes the small hospital!

Zhang Fan wondered, this foreigner has the same local language and is also picky!

The black man's body is too strong. The hospital bed is too small for him to lie flat. What should I do? Batu began to negotiate with Ms. Wang, "you see, for him alone, we have to transform the ward. Don't look at the bed. Even a lot of things in the operating room have to be transformed ~ ~"

"Hehe, we can add money to buy the bed in the ward. It's not necessary to transform the operating room. I also asked about adding a stool, right, director Ba?" Ms. Wang asked with a smile.

They're perfect! Zhang Fan doesn't worry about these things. What he worries about is surgery. "Li Liang, song Bing, come and discuss the surgery."

Chapter 312

What is the first metatarsophalangeal joint? In fact, it is very simple. It is the joint where the thumb is connected with the instep of the foot. The thumb function on the hand is the most important, and the same is true on the foot. This joint is also a force generating joint.

The people with joint injuries are some fat people, some ball players. The fat people can't bear the joint because they weigh too much. Most athletes suffer from fatigue injuries. But some ordinary people who are not fat are prone to this disease. Women who wear high-heeled shoes, especially those who hate sky high shoes, are beautiful and tall, but these shoes are really a sharp tool to damage metatarsophalangeal joints.

Because wearing high-heeled shoes can increase the weight of the forefoot, excessive back extension of the metatarsophalangeal joint, relaxation of the deep transverse ligament between the metatarsals of the forefoot, collapse of the transverse arch, and sinking of the second, third and fourth metatarsal heads. It is just that the common plantar nerve located here is excessively compressed, resulting in common plantar neuroma. In addition, because the heel is too high, the arch of the foot collapses and the metatarsal head sinks, which can compress the common toe artery adjacent to the common plantar nerve at the metatarsal head, causing arterial obstruction, resulting in ischemia, hypoxia and fibrosis of the toe nerve.

This is not alarmist, but also because this joint is a load-bearing joint at the end. Once it is damaged, it is very troublesome to deal with and treat it. Moreover, this injury is a chronic process. If it is acute, it can be recovered by surgery. However, this chronic injury first destroys the vascular bed and nerves at the end of the limb, and then the bone. Generally speaking, when women wearing high heels begin to have pain, they have already damaged their joints and related soft tissues and bones.

If it is found that the treatment is late, she will be accompanied by permanent toe pain, burning pain, numbness and severe numbness of the soles of her feet. You can imagine how uncomfortable it is. Even early treatment is troublesome. There are two methods, surgical and non-surgical.

The non-surgical method is to wear flat shoes, and then pad something under the front of your toes to straighten your thumb as much as possible. Imagine how difficult it is to break straight the bent bones by force. It's not only difficult, but also painful, very painful. On weekdays, when a woman wears high heels all day, why her feet hurt is caused by changing the stress curvature. Therefore, if you love your woman, please take off her hatred for Tiangao!

The black man was hospitalized. With a height of two meters and a weight of more than 200 kilograms, the general hospital bed really couldn't let him lie down. Even if it was too late to customize, he could only grievance the friend of the neighboring country. Two long benches were placed at the end of the bed, which could just make the black man lie flat.

Because other people's inspections are very perfect, all the inspections they can do have been done, and they are all recent inspection results, so there is no need to repeat the inspection. Directly arrange the operation, which is the result that Ms. Wang wants. For them, time is money, recover early and play early.

Metatarsophalangeal joint is a very small joint in the human body, but after this joint is injured, general

orthopedic surgery can do, that is, improve symptoms and reduce pain. If you want it to return to normal state, it is demanding. Many basketball players retire because of this joint.

"Make a dorsal incision and open it for repair. Now prepare for the operation, Lao Chen. Go and talk to the patient about the condition. Sign where you should sign." Zhang Fan directly determined the plan.

Old Chen said lovably, "I, I can't speak English!"

"Hehe, isn't Ms. Wang there. Just tell her! "

"Yes, I forgot this crop." Then Lao Chen went to find Ms. Wang. Although the black brothers are very reluctant to have surgery here. But there is no way. He has passed the peak of his sports career. Now it's good to have a gold owner. He has to do whatever the gold owner asks him to do.

At the beginning of the operation, the anesthesiologist estimated the black man's weight and added anesthetics. "Dr. Zhang, this fat man weighs so much that I dare not give too many anesthetics, so the effect may not be very obvious. When it doesn't work, you can add a little local anesthesia." The anesthesiologist hasn't seen such a huge man. He's a little uncertain.

"OK!" Zhang Fan looked at the fat man's limbs. They were really too big and thick. Black, very black. Shut up, shut your eyes and turn off the light. You can't find it directly" Dr. Zhang, do you think his skin is also black? " Li Liang grabbed the big black man's thick toes and asked.

"It shouldn't be. The dermis is estimated to be black, but below the dermis, it's the same as us." Zhang Fan also operated on blacks for the first time.

"Start! The anesthesia is ready." The anesthesiologist said.

Li Liang began to disinfect, lay sheets and put hole towels. When everything was ready, Zhang Fan and Li Liang had surgery, and song Bing toured. Looking at the black's strange toes, Zhang Fan sighed. The athletes looked at the scenery. In fact, their hard work is really hard for ordinary people to understand.

Although he is not a first-class athlete, his toes are deformed because of perennial weight-bearing training, overload sports and his huge weight. Although each toe is very thick, it bends very badly like the old man's music.

"You see, his second and third toes have obviously had multiple fractures, and there has been compensatory thickening here." After observing the other toes, Zhang Fan said to Li Liang.

"Their money is really not easy to earn." Li Liang has separated the first toe. This separation is a little laborious and too thick. It is estimated to be as thick as the wrist of a two-year-old child.

"It's not easy for anyone. It's not easy." The anesthesiologist interposed.

At the beginning of the operation, Zhang Fan gently cut the skin with a small sharp knife. The scalpel is very sharp. In the early years, the scalpel was used many times. Now the scalpel is disposable. Although it is sharp, it is not durable. The skin will be blunt after several times.

"In this operation, we must pay attention to minimize the damage to the blood supply. His damage has destroyed most of the vascular bed. If he wants to continue to maintain high-intensity exercise, he must ensure the remaining blood supply." Zhang Fan said while gently avoiding the dorsal toe artery, and then separated the flexor pollicis brevis with a knife handle.

Surgery, not all places to be exposed need to use a knife. For example, the skin needs to use a knife, but also a very sharp knife. When it comes to the muscle layer, it is usually separated with fingers or knife handle. Especially for this kind of athletes, muscle is very important for them. If the sharp weapon is disconnected, although it can heal later, it will form scar tissue, which will have an impact on the outbreak and durability of strength.

This kind of functional joint surgery of athletes is very difficult to do. If ordinary people do this joint injury, because they don't need to do extreme strength exercise, they just need to reach the functional position of the joint and eliminate pain and variation. As for some insignificant blood vessels, they can tie up, and they don't need to pay special attention to the joint capsule. In the later stage, scar healing is OK.

But if athletes do this, the pain will be reduced, but their sports career is over. This is also that many teams have fixed orthopaedic joint doctors. This top joint doctor can achieve joint recovery with minimal trauma.

Although Zhang Fan has just opened the first-class microsurgery, and the displayed operation volume is only more than half, because he is so good at liver, Zhang Fan has practiced in the system for many times. The three-dimensional graphics of the structure of this joint are directly formed in his mind.

Metatarsal, phalangeal and Zhang Fan slowly separated some inflammatory tissues with tweezers, and then rinsed them with normal saline. This operation is not so dangerous, but the delicate operation on the hand is too demanding for the surgeon's understanding of the joint.

Surgery should not be sloppy. What does it mean here? It means less action. For example, some inflammatory tissues in the joint capsule can be scraped once with a scraper, and the strength should not be scraped twice. The more actions, the greater the damage. This operation is a comprehensive consideration of the doctor's comprehensive quality.

The inflammatory tissue was cleaned up and Zhang Fan began to repair. This kind of delicate repair cannot be done or used by ordinary doctors, but it is very important for this special population. In the United States, there are no more than 20 doctors who can do this kind of operation well, and the

operation can't be done when the doctor is a little older, so the operation cost is also quite expensive.

"Dr. Zhang, why should this repair be inclined?" Li Liang couldn't understand, because according to the physiological position, it should be oblique. Zhang Fan didn't speak. This is the most critical moment. The success or failure of the operation is at this moment.

Zhang Fan held his breath and tried his best to make his hand reach an absolute stability. He repaired it gently, one, two, three and four times. Finally, Zhang Fan took a long breath "Shh!" Finally, the deformed and scarred muscles were repaired.

More than three hours have passed. This is a delicate operation, which is very time-consuming. After Zhang fanlue breathed smoothly, he said to Li Liang, "the oblique type here is more stable after considering his weight and occupation."

"Oh!" Although Zhang Fan explained, Li Liang was still a little confused. After all, there were few operations, and he couldn't feel it for a moment.

"Electric drill, Kirschner wire." Zhang Fan said to the operation nurse. Song Bing is so bored that he can't see anything. The operation is almost done under a microscope. The electric drill gently opened a small hole, and the Kirschner wire stably fixed the joint.

"When applying plaster, make sure the plaster is fixed around. Not one day less. " Zhang Fan said to Li Liang and song Bing.

"Good!" At the end of the operation, Ms. Wang and the athlete's black friends were almost asleep outside the operating room! When Zhang Fan pushed the big black man out of the operating room, the gang of black brothers happily surrounded him and kept talking. Zhang Fan didn't understand what they said after learning English for so long!

"Doctor Zhang, it's hard." Ms. Wang looked forward to Zhang Fan, who understood her meaning. After taking off the mask, he smiled and said, "the damage is very serious, but it has been repaired. The rest depends on his own recovery in the later stage, which can be known around. It is estimated that he can continue to play basketball in the future. " Before the operation, Zhang Fan didn't promise anything, but it was different after the operation.

He has confidence in himself, because he has worked hard and shed a lot of sweat in the system!

Chapter 313

The operation is done one by one, and the technology is improved bit by bit. Sometimes, when you feel that you are well prepared, you pull it out. It's not that thing at all. Other industries may allow you to try many times, but not in the medical industry, which requires too high fault tolerance.

After the operation for the black, Zhang Fan doesn't have to worry about the follow-up. Someone rushes to do everything. It seems that the doctors in the sibling hospital have a more sense of crisis. In fact, the competition here is also a primary competition. The real competition is still within the system. As a saying goes, it's easy to mix in the system, but it's not easy to mix.

It's easy to mix. As long as you don't have too high requirements, your end requirement for this career is retirement. It's really easy to mix. Be a monk for a day, and then be a low-key person. Your life will pass. It's also very difficult if it's not easy to mix. Although the freedom of society is very high now, there are too many rules and regulations in the system to restrict you, and there are a large group of smart people gathered here, and the competition is very cruel. With different means, it is really not easy to rise within the system.

Zhang fan can get through this primary competition early, which is also due to luck. For Zhang Fan, it is really an eye opener. If Zhang Fan had just stayed in a big hospital in a big city, Zhang Fan's growth would never be as high as it is now. It is estimated that we will still engage in suture, transfer to another department and write medical records.

This special place gives Zhang Fan an environment to display his talents. When the mountain is closed by heavy snow and the patient says that every day should not be, a doctor can stand up, which is tantamount to life-saving straw for the patient. There is no saying whether you are young or not. Then, in order to improve the medical level in the west, Zhang fancai had a green bird trip. So Zhang Fan took off from the air outlet.

Many, many things, especially successful things, when you carefully recall, it must have something special. The time, place and people are harmonious. This thing is really not to listen to, but when you can understand this special place, you may no longer be young, so you can only recall it.

After the operation, it was two or three o'clock in the afternoon. This point is also when the frontier just had lunch, because the hand and foot hospital is becoming more and more famous. Although it is next to the women's and children's Hospital, its reputation has begun to surpass that of the women's and children's hospital. People don't say where the hand and foot hospital is, and a snack street specialized in selling food has been slowly formed around. The quiet place has become a noisy place.

On Monday's ward round, we can see the difference between internal and external departments from the ward round. In internal medicine ward rounds, some directors, especially those of Xueba type, need to ask the principle of the disease, from physiology, tissue culture to medical records. Surgery is different.

"The patient was admitted to the hospital yesterday and fell accidentally. Cause a fracture of the femoral head. " The inpatient or attending physician reports the condition.

"Improve the relevant examination as soon as possible, and arrange the operation if the vital signs are stable." This is the director.

It's so simple. It's not that surgery doesn't pay attention to principles, but it can't pay attention to principles. Most surgical diseases are acute, while most internal medicine are chronic. Acute diseases have a beginning and an end, while chronic diseases often have only a beginning. Therefore, internal medicine should be proficient in principles, and then find ways to stop or slow down the progress of the disease.

If you want to find a surgeon, you should find it early before he has surgery. If you enter the operating room, you have to wait. Although Shaohua knew that Zhang Fan was busy, she didn't know that Zhang Fan was so busy. After Shaohua arrived at the unit in the morning, her colleague Bai Yin Tibu came to her.

After Shaohua finished the work at hand, she went to the hospital with Baiyin Tibu and her relatives to find Zhang Fan. As a result, when I went to the Department, there were only a few doctors who looked very young, and none of the other doctors could be found“ Hello, please ask if Zhang Fan is in. " Shaohua just asked Xiao Li. Zhang Fan and the rest of their group went to surgery.

"Doctor Zhang has an operation." Xiao Li is too busy to talk much.

"Please ask when he will finish his work."

"I don't know." It's no wonder that Xiao Li doesn't have 100 or 50 people looking for doctors in the Department one day, so he can't be enthusiastic. Besides, most of those who can find the Department go through the back door, and she is not very enthusiastic.

"Thank you." Shaohua was a little embarrassed. She turned to Baiyin Tibu and her sister and said, "it's all my fault. I didn't talk to Zhang Fan yesterday. I'll call him. "

"It's okay. Let's wait a minute. How can you blame you? I just told you this morning. Don't call first. We'll just wait. " The doctors in the office were busy one by one and ignored them directly. Shaohua was also embarrassed to wait in the office. They sat on stools outside the Department with Baiyin Tibu.

After waiting for more than an hour, Shaohua did not see any doctor coming to the Department, but they saw several patients who had completed the operation sent to the ward. Shaohua looked at the

child who was a little upset and called Zhang Fan. This was the first time she called Zhang Fan at work“ Hello, Dr. Zhang is having an operation. Who are you and what's the matter? ” The mobile nurse answered the phone.

After the popularity of mobile phones, the hospital imposed a period of time not to allow doctors to carry mobile phones during surgery, but this provision could not be implemented. Finally, as a last resort, it was stipulated that the doctor's telephone must be transferred by the nurse.

"Hello, please tell Zhang fan that I'm Shaohua. I have a patient who wants to ask him to have a look." Shaohua's cold sweat came down. She didn't expect Zhang Fan to be so busy that she couldn't even answer the phone.

"Dr. Zhang, a man named Shaohua said there was a patient who wanted you to have a look." After holding the phone, the itinerant nurse said to Zhang Fan.

"Tell her to wait." Zhang Fan didn't lift his head and said a word, and didn't explain anything to the itinerant nurse, because he was having an operation!

But the itinerant nurse's tone was much more polite, "Hello, Doctor Zhang said he could come out at noon. Please wait a minute. " The itinerant nurse specially explained.

"OK, thank you!" After hanging up, Shaohua explained to Baiyin Tibu, and then continued to wait bored.

"The doctor is really busy. Look, the doctors here haven't been idle all morning." Baiyin Tibu was afraid that Shaohua would be embarrassed, so he chatted with Shaohua. In fact, Shao Hua was not embarrassed at all, nor did he feel that he had no face. Instead, he was a little distressed. Zhang Fan was like a criminal in the morning. He didn't even have any freedom.

"Yes, it's hard to be a doctor."

In the operating room, Zhang Fan, Shaohua, Xue Fei and Jiang Nini are doing an operation on a humeral fracture. Originally, three doctors were enough for the operation. Jiang Nini also wanted to feel it. The surgeon became four.

After the itinerant nurse hung up the phone, because she had some qualifications, she gossip, "Doctor Zhang, who is Shaohua? I sound very young."

"My object!" Zhang Fan replied.

Wang Yanan answered, "what's the matter with Shaohua?"

"It's all right. The children of her colleague's family want to see me." Zhang Fan probably stopped talking and continued to operate cautiously under his hand. At ordinary times, Zhang Fan really laughs before he meets people, but once he has surgery, he is like a leader, very serious.

Zhang Fan didn't speak, but he couldn't stop other people's gossip. The operation was not big, and the air pressure in Zhang Fannong's operating room was low.

"Zhang Fan, you have a girlfriend?" Jiang Nini said in surprise. Although the mask was masked, it was conceivable that the girl's little mouth was open.

"Hehe, why, do you have a thief's heart for us Zhang Fan?" Xue Fei didn't like to have an operation with Zhang Fan. He was so bored that he didn't even talk.

"No, no, just curious." Jiang Nini hurriedly explained.

Senior doctors are a little reserved about Zhang Fan's deeds, but among these newly admitted transferred doctors, Zhang Fan is a direct example. The technology is super cow. It's not long since I entered the hospital, and the most important thing is to drive a luxury car to and from work. Although cars have become popular, there are one hospital in the city. Zhang Fan's car is the best.

Because of excellence, it will be concerned. In particular, young girls and boys at this age are faced with starting a family and starting a career. In fact, both men and women are choosing.

"Hehe! It doesn't matter. He's not married anyway!" Xue Fei, after all, came here. When he heard this, he felt that the little girl was a little too stressed. He looked at Zhang Fan and smiled. Did Zhang Fan hear their conversation? Did he hear it, but it didn't go into his brain. Equal to meaningless noise, directly without stubble.

Shao Hua is Wang Yanan's classmate, and now the relationship is very good. She is already a best friend. As soon as she heard Xue Fei's words, she said, "Zhang Fan and Shao Hua are ready to get married."

"Isn't this not married!" Xue Fei and Wang Yanan love to quarrel. Jiang Nini grabbed the hook and stopped talking.

"Stop bleeding!" Zhang Fan was annoyed and his voice increased a little.

Zhang Fan stopped them directly. They are like enemies. They see early and quarrel when they have nothing to do. Hemostasis, fixation and cleaning. The biggest and most serious complication of Orthopaedic Surgery, especially the fracture of this big bone, is fat embolism. This complication is too fierce to prevent. What doctors can do is rinse, that is, comfort. The effect is obvious and not obvious. It's hard to say.

"Plaster." After the operation, suture and bandage, Zhang Fan began to cast.

"You go down first. Shaohua has been waiting all morning." Wang Yanan said.

"It's all right. I'm not here for a while." Zhang Fan personally finished the cast before he began to take

off his surgical clothes.

This operation is the last operation in their group today. After the operation, Zhang Fan hurried to leave the operating room without even taking a bath. Xue Fei said sarcastically, "don't you worry? You run Maomao."

"Can you manage it!" The voice is declining. Zhang fanren has gone out. And Xue Fei can't talk seriously, but it's also easy. When Zhang Fan arrived at the Department, Wang Yanan and Jiang Nini also came down. There were too many people in the girls' bathroom, because there were many female nurses in the operating room, so they had to queue up.

Shaohua saw Zhang Fan appear at the entrance of the corridor and stood up with a smile. As soon as Baiyin Tibu saw a tall and big male doctor in the distance, he knew that this was Shaohua's boyfriend, Doctor Zhang, who also stood up.

"Shao Hua, manager Bai, I'm sorry to keep you waiting." Zhang Fan said with a smile, and then nodded to the manager's sister and the child.

"It's all right. Don't worry. Just after the operation, you should have a rest first. " Manager Bai said politely.

"No, come on, let's sit in the office and say." Zhang Fan took Shaohua and them into the office. If it weren't for the office, Shao Hua really wanted to slowly touch the hat mark on Zhang Fan's forehead and the mark left by the mask lace on his face. This is the lover. Compared with the scenery of her sweetheart, she pays more attention to his hard work.

"Where's your water cup? I'll pour you some water." Shaohua looked at Zhang Fan's white hair and dry lips and said.

"There is water. Sit down first. Xiao Li, please give me some paper cups. " Zhang Fan greeted Xiao Li. That is, Xiao Li has no intention of surgery, otherwise he doesn't need Zhang Fan to greet him. He has been busy pouring water to help Zhang Fan greet him. This is the sadness of young surgeons, or the lack of so-called dignity. If you want to learn technology and the experience of an old doctor, you must first take off your face and put it in your pocket.

Shaohua and Jiang Nini came to the office after a while, "Shaohua! You've been waiting all morning without saying hello. Zhang Fanzhen is. I won't tell you. We can't get out of surgery in the morning. " Wang Yanan warmly took Shaohua's hand and glanced at Zhang Fan to fight injustice for his good friend.

"It's okay. Look at you. Like Zhang Fan, you have a mark on your face. Does it hurt? " Shaohua can't ask Zhang Fan, but you can ask Wang Yanan. The mark on Wang Yanan's white and tender face is more obvious.

"No, I'm used to it. This is ~ ~ "Wang Yanan looked at Baiyin Tibu, and they asked quietly.

"I came to see Zhang Fan. I don't know. " They whispered a few words. Then he gathered around Zhang Fan to see Zhang Fan treat his children.

Jiang Nini stood at the computer desk three meters away, took a look at Shaohua, and said in her heart: "just have a better temperament!"

"Who is this woman?" Xiao Li saw that Shaohua and Wang Yanan were very familiar, so he asked Jiang Nini.

"Find Zhang Fan to see a doctor through the back door!" Jiang Nini said.

"Dr. Zhang is really good. They all started to go through the back door! "

Baiyin Tibu is Mongolian. How to say, there are many nationalities and languages in the frontier, not counting Chinese, at least four or five languages circulate. Other nationalities don't know how. In terms of this language, Mongolian people are very powerful. Many Mongolian people can skillfully use these five or six languages, and they can change them very freely. For example, Batu is very envious of Zhang Fan, He has been in the frontier for more than two years. Up to now, he still can't understand the languages of other nationalities. He is also born without language talent.

Although Baiyin Tibu was strong and stretched the white shirt of the bank's uniform, it was acceptable. Her sister couldn't do it. Before people came near, the smell of butter spread. Now the pasture is short of food and clothing, just short of water.

"Doctor Zhang, this is the child. Show me." Baiyin Tibu pushed a little doll like an oil egg.

The child was not timid. He looked curiously at the stethoscope in front of Zhang Fan with wide eyes. He looked at Zhang Fan's stethoscope, and Zhang Fan observed him again.

Obvious shoulder inconsistency, one high and one low“ Does it hurt? " Zhang Fan gently pressed the child's shoulder while observing his expression. Children are different from adults, especially children aged six or seven. They sometimes lie to doctors because they are worried about injections and drugs. Therefore, we must pay attention to his expression at this time.

"Come and take off your clothes." Zhang Fan said. Baiyin Tibu and her sister quickly undressed the children. People in the city wear clothes with the climate. There are spring clothes in spring and summer clothes in summer, but not in the grassland. Even if it's June, sometimes the snow may come. So they wore a lot. They took off the clothes on the little boy like peeling onions for a long time.

Zhang Fan separated his hands, opened his hands like a PU fan, stuck them on the child's chest wall along his ribs, and connected his thumbs. What kind of posture is it? This single Wang can't understand. If you have an object, you can think about it“ inhale! Exhale! " Zhang Fan's hands feel the changes of the chest with the amplitude of the child's chest breathing.

"Well, come and get dressed. Don't catch a cold." With that, Zhang Fan inadvertently frowned. Others didn't find it, but Shaohua knew Zhang Fan too well. Zhang Fan's expression showed that things were more troublesome.

"How's it going, Dr. Zhang?" Baiyin Tibu and her sister stared at Zhang Fan and asked softly.

Chapter 314

The world is full of all kinds of contradictions. For example, the medical industry is a kind of service industry. Patients are God and patients are customers. There is nothing wrong with this. Now no matter what level they are, they are advocating to satisfy patients and customers. If they are not satisfied, the consequences are very serious

However, medical treatment is a profession that pays great attention to technical expertise and experience, and it is still a matter of human life. Sometimes doctors need to make some judgments, which are risky. It's really easy to satisfy patients in terms of medical attitude or medical ethics. However, medical technology may not satisfy patients. How to solve this contradiction? It's really hard.

To give a simple example, a fracture operation. In order to satisfy the patients, if the doctors fix the steel plate tightly and straightly, it looks too good, as if the steel plate originally grew on the bone. The patient is satisfied, but this is bullshit.

In order to reduce the patient's periosteal injury, the fixed steel plate was very ugly. After looking at the postoperative X-ray, I felt scattered. The patient doesn't understand. If he meets another military master with two knives, he may be in trouble. It may be a farce.

There is an old saying in orthopedics: we treat people, not films. This is the contradiction, an irreconcilable contradiction. Is there a way to make the film look good and cause less damage? Not yet.

Zhang Fan gave the child a simple physical examination and said to Baiyin Tibu, "manager Bai, let's go to the hospital for examination first. After completing all the examinations that should be done, we can start the next step of treatment. "

"Is it serious?" Baiyin Tibu and the child's mother looked at Zhang Fan worried. Everyone is the same, looking forward to not getting sick. If you get sick, you look forward to a minor illness, especially children. Once you get sick, your parents' hearts will be broken.

"How to say, you should have psychological preparation. This operation is not a small operation, and the recovery period is very long. The child is not a simple fracture or appendix. This operation is an orthopedic operation, which takes time." Zhang Fan explained to Baiyin Tibu and her sister.

The child in clothes doesn't know the seriousness of the matter. Growing up on the grassland, he is very curious about everything here. Looking at this strange place with big eyes, he is most attracted by the human skeleton model placed in the corner of the house and various colorful pictures pasted on the wall. He could not understand the sadness or worry in his mother's and aunt's heart.

Baiyin Tibu's sister said to Baiyin Tibu in their own language, "what should I do? Would you like to see an older doctor again? "

"No, I've inquired about this doctor. He's the best doctor in the city hospital." Then she turned her head and looked at Shaohua. Shaohua also understood what she meant, "Zhang Fan, can you do without surgery. Or is it better to go to the bird market? " Some words, Baiyin Tibu was hard to say, so Shaohua helped to ask them.

After pondering, Zhang fanlue said: "it's too risky not to have surgery. Children are growing up. It's best to have surgery as soon as possible. It's not impossible to go to the bird market, but I don't think it's necessary. " The hospital is not a prison. Zhang fan can't force others, but he doesn't want to let go of the operation.

Orthopedic surgery, in reality, Zhang Fan has not done it, and the municipal hospital has not done it. This kind of operation is very difficult, especially for children. Various comprehensive factors must be considered. It's easy for adults to say that it's just to fix and correct along the physiological and anatomical position. But children can't. first of all, children are constantly growing and their bones are constantly changing. Once the operation is not in line with the child's growth trend, it is a medical accident directly.

And this operation must be done as soon as possible. The spine is like the girder of a car or house. Once there is a problem, it is followed by the changes of various related organs. When you get older, even if you change the spine, there is no way for other organs. Spinal deformation first affects the changes of sternum, hip joint and pelvis, which can be regarded as pulling one hair and affecting the whole body.

"Please, Dr. Zhang. Let's go to the hospital first. It's really troublesome for you." Baiyin Tibu said to Zhang Fan after discussing with his sister.

"It's all right. It's no trouble. Asian man will be hospitalized."

"I'll come, I'll come." As soon as Jiang Nini heard it, she said in a hurry, and then secretly observed Shaohua carefully. Take in the patient and open all kinds of examinations. There is no need for Zhang Fan to worry about these. Shaohua looked that there was nothing to worry about. He said to Bai Yin Tibu, Zhang Fan and Wang Yanan, "I'll go to work first and call me when I have something to do."

"Thank you!" Baiyin Tibu grabbed Shaohua's hand and said gratefully.

"It's okay, I'm leaving!"

"I'll see you off." Zhang Fan hurriedly said to Shaohua.

"Don't send it. Go to dinner." Shaohua said something and sorted out the slightly volute shirt collar for Zhang Fan. Although there was no need to send it, Zhang Fan sent Shaohua to the surgery building.

"Go back." After seeing Shaohua away, Zhang Fan turned to the office. While walking, Zhang Fan thought. How to say this operation? It's too difficult. He can't do it alone. Lao Gao and Lao Wang must be his assistants.

"How to bring the two friends together?" This is a problem. There are too many aspects to be discussed in this kind of surgery. Absolutely, once there is discussion, the two can quarrel. After thinking of various ways, Zhang Fan felt that he couldn't. Finally, Zhang Fan had to look for foreign aid. If there was a voice over at this time, it should be like this: it's time to pull out the heaven leaning sword!

Zhang Fan, who was supposed to go back to the Department, did not go back, but turned and went to the administration building. Why? Of course, I'm looking for Ouyang. Only Ouyang can let the two orthopaedic masters sit down and discuss the problem. Although this is a bit of a bully, Zhang fan can't help it. Life is so contradictory.

At noon, although it was a rest time, Zhang Fan had to find Ouyang early and solve the matter. The old lady Ouyang went to the city for a meeting early. Although the city hospital has developed rapidly in recent years, it seems that the state has begun to strongly support the national medicine recently. Many resources are inclined to the trend of national medical hospitals. The old lady also quarreled all morning. I can't help it. I can't do without noise. Just a little money. Give more to the traditional Chinese medicine hospital and less to the municipal hospital.

Zhang Fan knocked on the door and waited for about dozens of seconds before he heard Ouyang's voice: "enter!"

"Dean, are you resting? Or I'll come back later!" Zhang Fan said to Ouyang with an inquisitive smile. This is the advantage of being young. I know people are resting at noon, but Zhang fan can bother with a thick face.

"It's all here. What else are you loading? Come in." It takes too much energy to quarrel. It not only needs momentum, but also makes sense, so it is also a physical work. Ouyang pressed his temple and sat up

slowly.

"Dean, we have a special patient in our department." Zhang Fan sat down and said to Ouyang.

"Special patient? What are you doing here without going to your director?" Ouyang looked at Zhang Fan and said. Who is Ouyang? She is an old lady who can carry Lao Huang to develop cardiology and press the heroes to the top of the dean. Zhang fan can't guess what's going on, but it must be about personnel.

"Well! I'm looking for a director. There's more than one director. I can't get it, so please come! "

"Oh! Tell me about it. " Ouyang is interested. She is also a good person. She is the kind of person who likes fighting as Lao Mao said.

"Yes ~ ~" Zhang fanbalabala said the matter in detail.

"Are you sure about this disease? I know that if you don't have surgery in the early stage, there will be heart problems in the later stage. I encountered such a case when I was still in the Department of Cardiology."

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Chapter 314

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"What's the trouble?"

Chapter 316

Anyone is useful, and don't underestimate anyone. This is what Zhang Fan's father said to Zhang Fan. The cautious old man worked hard in the factory all his life and didn't even get a medical insurance in the end. It sounds like a fantasy, but it's true. The old man has nothing to pass on to his son, and he has only a little life experience. He can deal with the world.

Be kind to others, don't be competitive, don't be aggressive, and don't make unnecessary arguments. This is probably the experience handed down by the older generation of most Chinese families. Old people don't want their children to be developed. They can live in peace all their life. They have a very simple world outlook. Before going to college, Zhang Fan sniffed at these.

But after several years of experience and early contact with society, Zhang Fan understood his father. Maybe he will educate them in this way when he has children. Zhang Fan doesn't know whether these ideas belong to Buddhism or Confucianism.

But these words are really useful. Sometimes they seem to have suffered a small loss, but in the long run, this set of principles is absolutely right. But then again, that is, Zhang Fan met a good era and entered a very stable industry.

When Jiang Nini said she had a way, Wang Yanan was curious, Xiao Li mengdai and Xue Fei didn't believe it directly. Zhang Fan believed it and looked at her with expectant eyes.

"You don't want to raise money. Brother, it's no use telling you. This operation is not a matter of thousands of dollars. Lao Zhang, tell me how much it will cost. "

"About 70000." Zhang Fan said.

"This is still the price of surgical orthopedic plate, even treatment with drugs, 100000. No problem at all. " Xue Fei spoke to Jiang Nini with a tone that seemed to be a city man looking at a countryman.

"I didn't say fundraising!" Jiang Nini put down her tea cup and said. The girl's breathing skills are really good. She doesn't have the posture of being eager to refute or show off. She is stable and her smile hasn't changed. This is also her ability.

Zhang Fan looked at the little girl's posture and was secretly surprised. Compared with Jiang Nini, Xue Fei was like a hairy boy.

Xue Fei still has to speak. Zhang Fan scrambles to speak. Zhang Fan in the medical industry doesn't stay long, but his habit of protecting calves has been infiltrated into the bone marrow. This is the case in this

industry. Usually, everyone works hard to grab patients, but in case of critical patients, we must work together.

Usually, the superior doctors are harsh on the subordinate doctors, but once the subordinate doctors have problems, the superior doctors will definitely stand up and help the field. This is not an example, but the general situation of an industry. Tell a joke that is not a joke. Academician, you are a top-level figure in any industry. However, in the medical industry, especially doctors, if they get bad diseases, it is not difficult for teachers to entrust teachers and find an academician. Isn't the favor of academicians small? Big, very big, but this industry is such a calf guard.

Although Xue Fei is nominally Zhang Fan's superior doctor, Zhang Fan has regarded him as his little brother. Or can an attending listen to your resident? Let's write the medical record, write the medical record and change the dressing. I Xue Fei and adaxi also have a face, okay.

So Zhang fan can't let Xue Fei reappear“ You drink some water! ” Zhang Fan took up the water cup and handed it to Xue Fei, then said to Jiang Nini, "is this a feasible way? I think little Bart's family is in general. It's estimated that his aunt has some contacts. "

"Yes! Don't you know? The national civil affairs department has a quota for poverty alleviation every year. As long as his family meets the conditions, it should be able to apply, especially for this crippling disease. "

Xue Fei wants to speak again. Zhang Fan puts his hand directly on his mouth. This time is not a time to pick a hair disease, but a time to brainstorm a way. Xue Fei can't help it, but if you let him pick a problem, he can definitely pick out a lot. Jiang Nini is absolutely sure that she can say this.

"Is it difficult to go through the formalities? What materials are needed. " Zhang Fan asked.

"Well, I'll go back and ask my cousin. He's in the Civil Affairs Bureau. I seem to have done it for a relative of my family before. " As soon as he said this, Zhang Fan also lost confidence.

"And this good thing? I don't know. " Xue Fei was able to speak. He couldn't find any problems unexpectedly. Then he said to Wang Yanan and Xiao Li, "have you heard of it?"

"No." Both shook their heads at the same time.

"Do you believe me?" Jiang Nini, still smiling, directly faced Zhang Fan and asked.

"Well!" It's really hard to answer this. If you don't believe it, it's absolutely impossible to talk about it. If you believe it, it seems a little inappropriate. Zhang Fan encountered this situation for the first time. Everyone also looked at him, especially Wang Yanan. There were sparks in his eyes.

People still need to save some character, but Zhang Fan's character is pretty good. Just then, help came. The fat Kazakh aunt came with a plate not much smaller than the table, "my distinguished guests, you are my last table guest this year. The next time I eat horse meat, I will wait until it snows. Come on! My guests eat and drink. "

"Eat first! Eat first! We'll talk about it when it's over. " Zhang Fan hurriedly took chopsticks and began to greet.

"Do you believe Xiao Jiang?" Wang Yanan did not let Zhang Fan go.

"Yes, believe it or not. Besides, is it your treat today? Are you qualified to greet everyone! Really! " Xue Fei then scolded Zhang Fan. Usually on the operating table, Zhang Fan didn't say less about him. He caught the chance this time.

This strange feeling is gone as soon as someone interrupts. Zhang Fan didn't look at anyone. He picked up chopsticks, picked up a piece of horse intestines, put it on Xiao Li's plate, and said to Xiao Li, "it's really troublesome for you to eat more these days. It's Mr. Xue's treat. You're welcome. "

Then he put another piece of meat on Jiang Nini's plate and said, "eat first. There is nothing to say about this. Believe it or not, Xiao Jiang, if you can say it, you are at least a qualified doctor who can consider patients. Whether it works or not, I'll thank you first. To be honest, we really don't understand such subsidies and assistance, but we can help each other, don't you think? "

"You can talk." Jiang Nini smiled and said.

Wang Yanan glanced at Zhang Fan, but the meaning was also obvious: you pass!

Hey! Zhang Fan is bored to death. He is not hypocritical at all. He is really not interested in this kind of thing. This girl is also a human spirit. She plays with you so far and near. The fire control is very good. In comparison, Wang Yanan and Jia SuYue are not rivals, but they compete with Shaohua.

But Zhang Fan knows his own things. Without system and current status, the girl will never look at him more. This is the reality. How this step came about was very clear to him, so he was very vigilant. No matter what the future is, he can only put down a woman in his narrow heart.

A woman who accompanied him through anxiety and anxiety, a woman who did not dislike his family. A woman who treats his sister as a kiss. A woman who takes into account everything that can be considered for him. There are mountains outside the mountain and people outside the people. Only those who don't care about your scenery and worry about your happiness are good matches.

It doesn't matter whether you want to trust others, or whether others believe you, as long as you believe yourself!

Chapter 317

Man is a very complex animal. Some people feel that the world is pessimistic because of their environment or living state. They can't control themselves, just like death. But some people think the world is beautiful. Life doesn't need to be controlled and death doesn't need to worry. How good! Just take the road between life and death.

People live a lifetime, who will not encounter ups and downs, large and small. Biting your teeth is over. It's not good to always complain about yourself. Emotion is a complex chemical or physiological reaction. It really exists, and it can also affect people's physical state.

A long-term negative emotion will sooner or later lead to physical problems, and then the physical pain will give a positive feedback to the emotion, and then the emotion will be lower and more negative. At this time, it is like a car in a deep mud pit, which will only sink deeper and deeper until the mud has no top.

Look at the blue sky, look at the green trees and flowers, the world is still beautiful. Smile more and let go of your heart. There is no barrier you can't get through or pit you can't climb out. As long as you keep working hard and stick to it, you will definitely thank yourself for fighting that year one day.

There are many diseases. The curative effect of children is definitely better than that of adults. Apart from the recovery of the body and the individual differentiation of the population, a large part of this factor is the mentality of children. No matter how painful and bitter, as long as the symptoms are relatively reduced, and then a lollipop, his world is still so beautiful and so sweet.

Bart's operation is not small. He has to lie in bed for at least half a year or more after operation, so he has to do a lot of preparation before operation. Improving relevant examinations is the minimum. CT, MRI, X-ray, biochemistry and hemagglutination are basic examinations, and fortunately these examinations can be reimbursed.

Then it is to train the child how to urinate in bed. The urinary catheter can be retained in a short time after operation, but not for too long, otherwise it will cause infection. It sounds like a happy event that you don't have to move yourself to urinate in bed. In fact, it is very painful. Abnormal posture and non habitual posture can lead to inability to excrete, and then irritability, especially after operation, is very dangerous. Maybe a fidgety will lead to blood pressure and arrhythmia, and then lead to massive bleeding of the surgical incision, leading to the failure of the operation. So this training is a very important detail.

Then we need to train parents how to turn over axially. This is very important. For a period of time after operation, the turning over must be axial. What is axial turning over? It's very simple. When turning over, turn your body like a wooden stick. This kind of turning over is not only necessary after lumbar surgery, but also very important in some accidents.

For example, at the scene of a fall or car accident, if you find that the waist of the wounded is abnormal, you must not rush to move. Even if you want to move, you need three or four people, put their hands under the patient, and then lift them together. Otherwise, flipping rashly will cause more serious secondary damage.

After these preparations, there is a very important preparation, spinal traction. The vertebra of mammals is very important, so there are many protective structures. Violent destruction is simple, but it's really not easy to get into the spine to reduce damage. The muscle around the spine is the longest muscle band of the human body. This muscle is famous and most people know it, because there is a delicious dish, sweet and sour tenderloin. The authentic sweet and sour tenderloin is made from this muscle.

There are ligaments under the muscles, more than one ligament. Many people have no concept. In fact, the bovine tendons we eat are ligaments. The hardest thing in the human body except bones. In fact, the role of ligaments can be regarded as a restrictive protective role, such as the brake of a car. Below the ligament is the joint capsule that surrounds the spinal segment.

The joint capsule is sleeved around the joint like a plastic bag to protect and secrete lubrication. It's so complex. The real structural relationship is more complex. Blood vessels, nerves and lymph nodes are too complex. Spine and joint surgery is the top surgery in orthopedics.

The purpose of pulling is to pull these related structures out of a gap or space that can be operated. This traction will last for two weeks because it is a very slow process. Therefore, Zhang Fan is also very anxious. He can determine the operation plan earlier and prepare earlier.

The next day, Zhang Fan specially asked Xiao Li to help Xiao Bart and them to have an examination. Chinese people, especially some leaders, are very catch-up with the trend. They don't know how to use technology, but some small things are very tall. For example, in the MRI room, if he doesn't write Chinese, he marks an MRI room. Ordinary people who know what this is for. I really don't know what I think. It's very necessary to have a perfect examination before the operation. It's really not urgent.

"Zhang Fan, come here." Just after the operation, Zhang Fan was called to his office by the deputy director.

"Well, I'm used to it. I looked at the discharge records. Your group is very powerful. The number of patients is almost twice that of others. Not bad, young man, can bear hardships!" After Zhang Fan sat down, the deputy director said to Zhang Fan.

"Ha ha." Zhang Fan didn't know what the deputy director was going to do, and he couldn't say it, so he smiled.

"I work hard, but I have to contact more outsiders. Don't know about surgery in one day! You still have to make more friends. You're not good at this. I'll talk about you." The deputy director said angrily to Zhang Fan.

"OK, director, I will pay more attention and correct it." Zhang Fan pretended to be very formal and said that this is society, this is the workplace. Some very important things are not notified at any meeting, but conveyed in such private, like chatting.

But the leaders of others can treat it as gossip, but you can't take it seriously. That's the rule.

"You, don't be so nervous. Yes, not proud or charming. He is a talent. In this way, there will be a dinner party in the evening. You can take part in it. You can see who is suitable for your group. Bring another one, and there will be more people." If Zhang Fangang didn't pay much attention to it, it would be gone. It's so strange that once you enter the workplace, people have to take heart.

"Oh, OK, director. I'm with Xue Fei or Wang Yanan. Do you think it's ok?" Zhang Fan is not stupid. The deputy director wants Zhang Fan to take a person. Zhang Fan has three fixed personnel in his group. It is obvious that he doesn't want to take all of them, but who doesn't? Zhang Fan doesn't know.

"Take Dr. Wang with you. The little girl worked very hard after she came to the Department. Don't drive after work. There's a car to pick you up. How about your driving skills? Let's go to the grassland sometime. Now the grass is green." He was very satisfied with Zhang Fan's performance. After finishing his business, he began to have a real chat.

"OK, director, let me know when to go." Zhang Fan said with a smile that although his boss is Lao Gao, it is necessary to respect others as leaders anyway. But people just talk about it. If they really want to go to the grassland, they will never bother Zhang Fan.

"OK, find a chance to take a ride in Dr. Zhang's luxury car. Ha ha!"

"Hi!" Zhang fanlue looked embarrassed.

After work, Zhang Fan still thought about how to explain to Xue Fei. His mouth hasn't opened yet. Xue Fei saw that Zhang Fan meant to talk and hurriedly said, "let me go. I haven't played mahjong for a long time. My wife is not here today. Please don't ask me for anything!" Having said that, before Zhang Fan could say anything, he dressed while walking. He was deeply afraid that Zhang Fan would let him have

another operation.

"All right!" Zhang Fan looked at his leaving figure and said. Good! That's good. Otherwise, Zhang Fan really doesn't know how to say. With or without one, Zhang Fan always feels a little guilty. Although there are many stutters now, everyone is a collective.

"Wang Yanan, don't go. There's something." Zhang Fan said hello.

"What's the matter?" Wang Yanan is much more obedient than Xue Fei.

"The deputy director told us to have dinner. Someone will pick us up later." Zhang Fan whispered.

"Yes." Wang Yanan nodded and didn't say any more. This is the unspoken rule of the hospital system. Many things will avoid transferred doctors. Therefore, doctors who are not in one department do not know things in other departments in detail, so they know a general idea.

After work, Zhang Fan received a call from the deputy director " Zhang Fan, have you finished your work with Dr. Wang? "

"Busy, ready to get off work."

"Well, go to the back door of the hospital, and then go to the West. There is a black Buick waiting for you."

"OK, director." Zhang Fan probably knows the meaning of today's dinner as soon as he hears it. Although we all know some things, we should avoid them when we should avoid them. People are so strange that things they all know, as long as they are not seen, they seem not to happen.

"It's the same as being a thief." Wang Yanan listened to Zhang Fan's phone and said.

"Hehe! Don't learn from Xue Fei's laipi words. You should eat and drink. You should grasp your bottom line. There's no need to say it. It's not easy. Just go if you can. " Zhang Fan is also helpless. In fact, if Zhang Fan doesn't go today or refuses directly, the deputy director can't do anything about Zhang Fan, but it's definitely a troublesome thing in his future work, and Lao Gao can't do it. So life is like this, constantly compromise, and then slowly detour forward.

Want to go straight, simple. It's too difficult. Unless the industry has no interests and no hierarchy, is there such an environment? Now even the head of a primary school class can become a thing for everyone to compete for, not to mention this industry with great interests.

"Well, Zhang Fan, I found that you are a scheming guy. You don't talk all day, but you think everything through. I couldn't hold on when you didn't come to the Department. I used to have a bad temper. I always felt that everyone had to accommodate me and unknowingly provoked many people. Don't say anything about robbing patients. Even the little nurses in the operating room can bully people. Do you

think I'm too bad? " Looking at the sunset going west, Wang Yanan said with a little melancholy.

"It's all right. Everyone has such a process. It will be better to laugh more and be polite to people in the future. No one is young. Besides, these are not important. Now you decide to do a good operation, and these things will naturally become less and less." Zhang Fan hasn't finished yet, that is, less and less, but not none.

"Why didn't you? It felt like you were very mature when you first came to the hospital." Wang Yanan took a few steps to catch up with Zhang Fan, looked at him and asked.

"Well! I was born old and smart! "

"Ha ha! You have a thick face. Do you boast yourself like this. Don't be ashamed! "

"What's the matter? It's a fact!"

Talking and laughing, they went to the back door of the hospital. Some things are jokes. Others think you boast, but it's actually the truth. They know their sadness. This experience is not a disgrace, but a treasure. Under the fermentation of time, it can definitely become a treasure admired by others. It depends on whether you can face it.

Chapter 318

The dinner was organized by the regional manager of a drug agent. In surgery, especially in orthopedics, the amount of instruments is very large and the cost is very high, but this one is generally in the charge of the director himself. But people can't eat alone, so the deputy director is responsible for some things about drugs.

In fact, this thing is also very simple. A drug is produced from a manufacturer and does not enter the hospital directly. First, it will be handed over to the so-called pharmaceutical companies, and then the pharmaceutical companies will go to all large and small hospitals in all regions for bidding. Then enter the clinic. And because many pharmaceutical companies have serious drug homogenization, the competition in this industry is also very cruel.

Let's say that omeprazole enteric coated capsules, an acid suppressing drug, are produced by more than a dozen manufacturers in China. There is no difference or advantage in the product. Even patients with advantages do not understand it. For example, ordinary omeprazole does not have the effect of enteric coated capsule.

After drug homogenization, without its own advantages, it can only take other ways. It's very tragic to advertise and please the hospital. The things that originally saved people and treated them made them

look like annoying garbage. Laymen feel like doctors prescribe medicine for the sake of prescribing medicine.

In fact, the things in this are really too bullshit to say. Take foreign drugs for example. In fact, doctors in hospitals really like to use foreign drugs. Almost all foreign drugs that can enter China are giant companies. They don't give any kickbacks to doctors, that is, they invite doctors to dinner every year. Why do doctors like to use foreign drugs.

It's very simple. People's technology is good. Few of their drugs cause allergic reactions. The clinical trial data and instructions of people can become a paper! On the other hand, look at our own drugs, such as penicillin, not to mention clinics. Even some hospitals dare not use them. They use one allergy and one allergy. Are people in Manchuria allergic? Even the teaching books say that penicillin is the first drug for some diseases, but can it work? Dare you use it?

Some people may say that doctors don't use it for a commission. It's really wrong. There is a saying in the medical industry that there are no drugs for treating diseases. Insulin, high-grade antibiotics and kickbacks of major giants? Think too much! What is the real thing? This ginseng, which pill, this aphrodisiac, which kidney strengthening drug, give more, but do doctors dare to prescribe it? How many doctors in regular hospitals deceive patients to buy these drugs? It's all tears, but I have to face it. Life is like this.

"Dr. Zhang, Dr. Wang, please get in the car. This is Xiao Chen." Before Zhang Fan and Wang Yanan arrived, a capable young man greeted them with a smile.

"Are you?" Although Zhang Fan knew who he was, he still asked.

"I'm Xiao Chen from Anfu pharmaceutical. I'll be responsible for our hospital in the future. In the future, I have to rely on the support of two teachers." The young man said with a smile, handed a delicate business card with both hands, and then hurriedly opened the door.

"You sit in front?" After looking at the business card, Zhang Fan stuffed it into his pocket and said to Wang Yanan.

"You sit in front. I'll do the back. "

"That's good. Manager Chen, please come and pick us up. Just tell us where we are. Why are you so polite? " Zhang Fan said to Xiao Chen after getting on the bus.

"Yes, yes, it was our regional manager who came to pick up the two teachers. There was something wrong with the dishes in the hotel before leaving, so let me come. Please don't mind, two teachers." The young man said it sincerely. He probably practiced in the mirror.

"It's okay, you pick it up. We're all sorry. It's really too much trouble. "

"No trouble, no trouble." Two people falsely talk nonsense. Wang Yanan was quiet, looked at the crowd outside the car, did not speak, and entered the state of a cold queen.

In the hotel box, the staff are almost here. Lao Gao didn't come. He is of high level. Generally, he can't be invited to this kind of banquet. There are two deputy directors sitting on the main seat, as well as the group leaders and main doctors of each group.

Zhang Fan and Wang Yanan entered the box. Wang Hao, deputy director, stood up with a smile and said to a glossy middle-aged man, "look, the rising star of our department is coming. Dr. Zhang Fanzhang and the beauty, Dr. Wang Yanan. Come on, I'll wait for you. "

"Good director, good leaders." Zhang Fan smiled and said hello to the doctors in a circle of departments. Wang Yanan can't count on it.

"You're laughing at us again. You robbed all the patients and talked about our cheap. The two directors have to decide for us. " Sitting in his seat, Zhou Chengfu pointed to Zhang Fan and said with a smile to Cui Pingjun and Wang Hao.

"Ha ha, did you see manager Sun? Whether the new doctor in our department is powerful or not makes Zhou Youzi complain." Cui Pingjun said to the glossy man with a smile.

"Yes, it's very spiritual at first sight. Introduce yourself, sun yuan, from Anfu pharmaceutical. Please give me more support in the future. " While talking, the man took the initiative to come to Zhang Fan and Wang Yanan.

"Hello! Manager Sun. " After shaking hands with Zhang Fan, he was busy arranging Zhang Fan and Wang Yanan in their seats. Zhang Fan has long made up his mind that he should eat and drink. He doesn't participate in other things. Anyway, he doesn't have to worry about it.

Drugs with the same chemical name have at least seven or eight trade names from seven or eight manufacturers. Seriously, it is also difficult for Chinese pharmaceutical manufacturers. Serve dinner, toast and flatter each other. This kind of meal is very strange and different from other meals.

In general, no matter who pays the bill, we will at least be polite to the owner. However, this kind of dinner is different. At the beginning, we can be polite. After dinner and drink, manager Sun becomes an outsider.

What the hell is going on. The doctor was also helpless. For example, the manager took an energetic way, and then entrusted the relationship to find Wang Hao. Wang Hao had to introduce him to the doctors in the Department. Wang Hao looked at the face of energetic people, and the doctors looked at Wang Hao's face. The real thing is to eat and do nothing. Who can lack this meal is helpless! No one will joke about his job.

Therefore, as long as a drug has curative effect, it doesn't need your public relations. The hospital can directly use it for you. It's out of stock, but the drug effect is not good. There are often allergic events. Don't say you invite everyone to dinner. Even if you do something, the doctor doesn't dare to prescribe it.

"Come on, brother, touch one with your brother." The leader raised a toast, and then everyone toasted the leader. The toast was over, and the rest was free to play. Zhou Chengfu came to Zhang Fan with a red face. Although Zhang Fan also toasted the two directors, everyone knew that he could not drink and clinked his glasses with tea.

"Brother, what do you mean. I can't do it if I have to throw up. " Zhang Fan said after sitting beside Zhou Chengfu.

"Hi! You son of a bitch, if you don't talk about the operation, you won't even give me a chance in the wine court. Well, let's touch one of your tea and wine. "

"What's the matter? The state is wrong. Drink less." Although Zhang Fan said to drink less, he still touched Lao Zhou with tea. He had been serving wine for a long time.

"I'm leaving!" Lao Zhou said fiercely after drinking it for dozens of seconds.

"Where are you going?" Zhang Fan asked strangely.

"Three branches of bone."

"What? Have you reached any secret with old Chen? " Zhang Fan said with a smile.

"Hi! How to say, the first Department of orthopedics can't stay any longer. There's no hope. I want to be like Xue Fei, but we are not reconciled. You should understand what I said. " People have said it. Zhang fan can't pretend he doesn't know.

"Ah! How to say, brother Zhou. " Zhang Fan's tone was also low.

"If you don't say anything, you can't say if your skills are inferior to others, but what do I do to you, your brother?"

"Good!" Zhang Fan said straight.

"OK, just have you. If something happens to my brother, you must not stand idly by. " Lao Zhou poured himself another glass of wine.

"Let's drink tea, drink tea."

"No, it must be wine, otherwise it can't express my brother's mind." Lao Zhou insisted on drinking to Zhang Fan.

There's nothing wrong with wanting to make progress and improve, and there's nothing to make fun of. It's not easy for Lao Zhou to have Lao Zhou's way of living and Xue Fei to have Xue Fei's self entertainment. Zhang fan understands! Man's world is like this. When you want to get some, you should be ready to pay something first, humiliation, shame and anger, drink with wine, and then go on. If you don't reach your goal, you will never stop. This is a man!

Chapter 319

Sometimes, especially in some special industries, you can be cold to strangers, but you don't say it's warm to people in your own system. At least you'll be polite. Competent medical representatives may not need high IQ, but their EQ must be high.

A group of doctors don't complain to manager Sun. He doesn't care at all. He always keeps a smiling attitude and doesn't take the initiative to find someone to clink a cup. That is to do a good job of serving tea and pouring water. A big regional manager can do this. He is really not an ordinary person. Many, many people, no matter how hard it is, let him be humble and determined not to go. In this coquettish world where money leads, who is right and who is wrong! Yes, as long as you can ensure the life of parents and children. What world peace and global warming really have little to do with us.

Zhang Fan is also learning, receiving people and treating things, and the rules in the line. This is all knowledge. We can't lack it. This is a complete social person. Without these foreshadowing, it is really unlikely to go further. However, the learning here is only learning, not indulging, not chasing it at the expense of the book. You can understand it without mastering it.

Bart's laboratory tests have also been improved. At the end of the ward round in the morning, he returned to the Department office. Lao Gao looked at Bart's inspection report and pondered for a long time without talking. He also thought again and thought about the operation plan. Leng was silent for a long time. Finally, he put down the checklist and said to Zhang Fan, "be careful. This operation really needs to be careful. Let's discuss it more, shall we? "

For Lao Gao, Zhang Fan has nothing to take into account. One said, "director, this operation is a little difficult, but as long as you and director Wang help me, it's not a big problem."

"Do you have a detailed plan?"

"Yes!"

"The way ahead? Back road? "

"The back road, the front road is a little damaged." Zhang Fan said to Lao Gao.

"Back! The difficulty of the back road is a little higher. This operation is really troublesome. I can't see the success in a short time. " Lao Gao stared at Bart's film and touched his shaved chin.

This operation is so awkward. Spinal correction is not a fracture. Whether it is successful or not can't be seen for a while. Moreover, if the doctor's level is not high or misjudged, with the child's development and growth, it will not only not correct the deformity, but also aggravate the deformity.

"Now surgery is the best chance for the child. The older the child is, the worse the effect is." Zhang Fan emphasized.

"I know. Well, first estimate the operation risk, and then talk to the family about the situation. Future risks and current risks must be made clear. Ask a pediatrician or physician for consultation when necessary. " Lao Gao was afraid that Zhang Fan had no experience and explained what he should think clearly.

"OK. I'll have a consultation in the afternoon. "

"Yes. I went to the clinic and called if I had something to do. "

Zhang Fan has to deal with these things himself. Other doctors can't tell clearly, and he's not at ease. And these things must be done after the operation, and the treatment of other patients cannot be delayed because of one patient. This is why we usually see that doctors in hospitals seem to be very busy. Once there is a special or serious patient, the doctor can keep his feet off the ground.

In the morning, there was an operation for a clavicle fracture, which was caused by a fall. It's not very broken, it's an oblique fracture. There are almost no broken bones, just an obvious broken end. This kind of operation is suitable for Wang Yanan to practice. Orthopedic doctors pay great attention to clavicle fracture. If they relax a little, they may be robbed by thoracic surgeons. Orthopedic doctors don't suffer, and they don't rob less of rib fractures outside the chest.

"Note that when fixing, you must pay attention to the lower lung tissue. Whether you are sure or not, you should take protective measures." Zhang Fan became an assistant, but he still emphasized the matters needing attention in the operation repeatedly.

You may feel like it's unnecessary. In fact, the medical industry attaches great importance to the consolidation of knowledge. If you don't consolidate it yourself, the hospital will help you consolidate it. Once every three or four months, I take the basic exam and transfer to another exam. I'm always afraid you'll forget that, and my grades are linked to your performance salary.

The medical industry is like this, only more skilled, not the most skilled. Life is endless, study and examination will never stop. After the operation, the superior is the superior. Although Zhang Fan and Wang Yanan are inpatients, Zhang Fan is Wang Yanan's superior doctor at this time.

In the afternoon, Zhang Fan began Bart's preoperative preparation. Everything follows the normal procedure. First ask the pediatrician for consultation. Although the pediatrician didn't say anything, he just wrote a sentence on the medical record: the child's vital signs are stable, the spine is obviously deformed, and the current state is feasible for symptomatic treatment. If there are special circumstances, please contact our department. Thank you! It's such a nonsense. I don't even talk about surgery, but if it's not reflected in the medical record, even if it's an unqualified medical record, it's a problem when the superior finds something wrong. Why isn't there a pediatric consultation?

Then ask the respiratory department and cardiology department to come for consultation. The bigger the operation, the more perfect the medical record must be. Even if the other party is talking nonsense, they have to invite others to say it. This is responsible for the patients and the protection of the doctors. During the cardiology consultation, Ren Li and Ouyang came. The old lady had already said hello to Ren Li.

"Is there a precedent for this kind of operation in the municipal hospital?" When Ouyang comes, Lao Gao has to come out to greet him. The old lady turned over the medical record and asked. Although there is no question by name, everyone knows that this is Lao Gao.

"Dean, I haven't done it."

"Well, it also expands the business of the Department, but we can't be radical. Zhang Fan, please invite director Wang of the second Department of orthopedics, director Chen of the third Department of orthopedics, the director of anesthesia in the operating room, the director of Pediatrics and the director of the medical department. The personnel are all ready for discussion."

"Yes!" Zhang Fan turned around and called the nurse station. This is the characteristic of a hospital. Private affairs will be contacted by mobile phone, and business affairs will generally be contacted by

internal phone. I don't know how it came down. Although the phone bill is not much, and the hospital also reimburses, that's it. As long as it's business, it's usually the internal telephone contact of the hospital.

In a few minutes, Lao Wang and Lao Chen came. The three departments of orthopedics are connected. The three floors connected to the surgical building belong to the orthopedic system. Since Zhang Fan showed Lao Wang the film of the patient, Lao Wang was directly stunned. I can't concentrate on other things. I'm obsessed with watching movies every day, thinking about the operation plan and looking for information. My nerves are running out.

People are like this. If the operation is performed by a superior hospital, or as long as it is not performed by a doctor, Lao Wang probably won't be so interested, but once it is performed by a doctor who is familiar with tea or tea, he will be worried. Why can he do it? Why can't I do it? The old man was devastated by Zhang Fan. He couldn't eat and drink well these days. He really didn't think about the plan again.

"We're all here, aren't we. Director Gao, you can arrange it. " After several directors of other departments arrived, Ouyang said to Lao Gao.

"OK, Zhang Fan, this is your patient. Please introduce it to everyone." Lao Gao said to Zhang Fan.

"Dear leaders and experts, three days ago, our Department collected a six-year-old and seven-month-old child. After examination, the diagnosis was clear: congenital spinal deformity mixed type. Laboratory examination and body examination support diagnosis. At present, the patient is still young and has no related complications. However, in order to protect and avoid future complications, our department plans to perform corrective surgery for spinal deformity. However, considering that the child is young, and the operation time and postoperative bed time are long, please consult with experts from various departments. " In the office of the first Department of orthopedics, Zhang Fan didn't look at the medical record. He stood up and said. The director of the medical service recorded it in person because the Dean attended.

After hearing this, Ouyang nodded involuntarily, and then said to the doctors present: "let's discuss whether to do this operation or not. Do, how to do, don't do, why not do. Say it all. Starting from Wang Yanan, he said in turn. "

In addition to the doctors of the first Department of orthopedics, all the other doctors present were experts, so the little doctor spoke first.

"The vital signs of the child are stable and the diagnosis is clear, so I think we can do it." Wang Yanan then sat down.

"Don't stand up, just sit and say, save time." Ouyang added after seeing Wang Yanan sit down.

The little doctor can't say one, two or three, that is, simply say the examination and signs in the medical

record. Soon I arrived at the director of the third Department of orthopedics. After staring at the film for half a day, Chen Qi said, "it's difficult. The operation is not easy. The child's physical development is immature, and there are no obvious symptoms. The postoperative effect is not easy to judge. Can we slow down first?"

Lao Chen means that the child has no symptoms. What should I do if there is abnormality or discomfort in the operation. Although a little conservative, it is also a suggestion of the old city. After all, this is a person, not an object.

After Lao Chen finished, the two orthopaedic directors frowned, but said nothing. Ouyang is also unknown. The directors of Cardiology and pediatrics have evaluated the tolerance of children from their own departments, and have not made clear suggestions on whether to carry out surgical treatment. The director of the anesthesiology department made it clear that the child could tolerate surgical anesthesia, and the speech ended.

It's the turn of the director of the second Department of orthopedics. The old man stroked his little hair and said, "it can be done. Although the children have no obvious symptoms at present, if they are treated conservatively, there will be obvious organic changes within a year. If they are operated again at that time, it will only be a dead sheep to mend up. Moreover, I have consulted many relevant papers and medical records. As long as we make a full plan, we can have surgery. "

"Are there many such operations in bird city hospitals?" Ouyang asked.

"Not much, but I can't say no."

"Effect if?"

"The earliest was a similar operation five years ago. The effect was unknown. I called the chief surgeon of the superior hospital. The patient left the border after the operation, and the follow-up visit did not continue." After all, the spine is Lao Wang's business, so he is very clear about these things.

"Director Gao, tell me." After hearing this, Ouyang said to Lao Gao.

"The reason for doing it has been mentioned by the doctors in front, and I don't need to repeat it. But how to do it needs to be discussed. "

When Zhang Fan introduced his condition, he had made it clear that the operation was feasible, so he didn't have to express his opinions. Ouyang made a direct decision: "since all experts support surgical treatment, it is also an orthopedic disease, or Dr. Zhang's patient. Director Gao, director Wang and Dr. Zhang, you three book an operation plan and submit it to the medical office. Is three days enough? "

"Yes!" The person named agreed.

This is Ouyang's means. This is an administrative order. You quarrel. Anyway, I have set the time. No

matter how you quarrel within three days, you must give me a statement and a plan.

"OK, break up." After that, Ouyang went out first!

Chapter 320

When you first enter the society, you want to struggle with great ambition. When you want to fight, you encounter all kinds of procrastination, all kinds of hidden rules, all kinds of constraints and all kinds of strife. Then you think the industry is hopeless! All people are inferior to you. Leadership is an egg.

Then wait for you to stay in this industry for four or five years, and then you will slowly realize the truth contained in it. For example, this is the case now. An operation should be discussed and discussed, and then two friends should sit together and make a plan. Procrastination? It's very procrastination, but it's really a conventional way. There's only one reason: safety. After all, genius is rare!

Lao Gao, Lao Wang and Zhang Fan sat together in the small conference room of the first Department of orthopedics. How to say, these two people are very strange. In front of the public, they are incompatible, but when there are only three of them, the relationship between Lao Gao and Lao Wang seems not so bad. At least Lao Gao will take the initiative to add water to Lao Wang. Zhang fan can't understand. He really can't understand what's going on between the two old guys, but he doesn't have the mind to gossip.

"Tell me, how did you prepare?" Lao Gao said to Zhang Fan.

"I'm going to choose the posterior approach to perform a predictive correction of Bart's lumbar spine from the posterior approach."

"You mean, soft correction?" Lao Wang asked.

"Yes!" Zhang Fan replied positively.

Then he said, "look, two directors."

Zhang Fan gets up, opens the film viewer and puts all Bart's image examinations on it. Then "card" opened the caliper, pulled out the Dragon butcher's knife, pointed to the image on the film viewer and said: "the scoliosis parietal vertebra of the child is the vertebral body. What we need to do is to fuse the upper and lower vertebral bodies of the parietal vertebra. The Cobb angle here is greater than 50 °. During the operation, the two upper and lower vertebral bodies are fused, and then an open intervertebral disc at the end vertebra does not need to be fused, The distal vertebral body should be

parallel to the sacral vertebral body. When the two are inconsistent, the longest segment should be selected for fixation and fusion.

After spinal fusion, the balance of the spine is maintained by the non fused movable segments rather than by the fusion site. These can be determined by the dynamic X-ray image, so in this way, the end vertebrae should be able to move in all directions, the most important is the distal end, that is, the distal intervertebral space should be able to move in the bending direction, the distal vertebral endplate should be parallel in the bending image, and the axial plane in the bending direction should reach the neutral position, so it is absolutely guaranteed that Bart will slowly change the deformity in the future. "

At this point, let's talk about the spine. The spine is curved. Especially for slim women, their soft waist is like willows, which makes people have the desire to hug. This is the credit of the spine. It is a slight S-shape as a whole. Generally, the cervical spine and lumbar spine are the most prone to problems.

The spinal activity of these two places is relatively large. And especially the lumbar spine, which is directly the pillar of the body, should not only bear weight but also have mobility, so people often have neck pain and low back pain. Few people say back and spine pain. Once there is pain or numbness in the waist and legs, we must pay attention to it. Sit less, lose weight, eat less and exercise more.

What is the shape of the spine? Let's make an image analogy. It is like an S-shaped column stacked with chess pieces. There is a latex cushion between the chess pieces, which is the lumbar intervertebral disc. Then, several rubber bands from top to bottom are attached to the front, back, left and right of the chess piece to stabilize the chess piece column, which is the ligament. And these pieces are divided into front and back. The front is bare, with two wings on the side called transverse process, and a tail called spinous process on the back. The pieces and pieces are stacked, and then the tail and tail are listed layer by layer like roof tiles.

There is a hole between the pawn and the tail, running from top to bottom. There is also a small hole between the two pairs of wings and the chess pieces. The hole between the pawn and the tail is an extension of the brain: the spinal cord. Between the wings and the chess pieces, there are nerves like silk thread from the spinal cord. The human spine is probably such a structure.

The spinal cord is like a water pipe, or a signal transmission line. The stimulation received by the muscle is fed back to the brain. After the brain makes calculations, it is fed back to the muscle, and then the muscle reacts. Or the brain directly gives orders to the muscles to make movements after calculation.

In fact, this thing is very simple. For example, you touch the ass of a beautiful woman, and the muscles on the girl's ass transmit this feeling to the brain, huh! Uncomfortable, the brain orders, fan ya, and then

you are slapped by a beautiful woman. Or, uh! Comfortable, the brain orders, a kiss, and then you get a kiss. This information is transmitted through the spinal cord.

When the latex cushion between the chess pieces is squeezed by the huge weight or long-term bad posture, it loses its retraction elasticity, and then protrudes like a rotten latex. When it protrudes to the spinal cord, although it is rotten to the upper bone, it is much harder to the upper spinal cord, and it begins to oppress and bully the spinal cord, The spinal cord begins to make an aggrieved sound, and then you begin to have low back pain and leg numbness, which is the so-called lumbar disc herniation. When one or more pieces are displaced, it is lumbar protrusion or bulging. This bulging is also a kind of deformity, but it is only local.

Spinal surgery is a top surgery in orthopedics, because there are too many things to consider. General fracture surgery also considers the plane problem. The butt joint is not tight, and whether it conforms to the physiological position. The spine is very troublesome, at least from three directions and three coordinates.

The median, coronal, sagittal and median position are easy to understand. Coronal position is generally said to be a glass plate, facing the same direction as the eyes, and then cut directly from the head. This orientation is coronal position. Sagittal position is a plane formed after the bow and arrow is inserted into the face. This thing is really anti-human. It takes a lot of trouble to explain it in words, so this professional word must be explained in pictures, and then memorized by rote. These three positions must be considered in spinal surgery. As long as there is an inappropriate position, there will be sequelae, because it does not conform to the physiological position, resulting in the chain reaction of human stability problems.

Spinal deformity, in short, is a column built with chess pieces. One or more chess pieces are placed in the wrong direction, which leads to the change of the overall shape. Orthopedic surgery is to put the wrong pieces in the right direction. But there is a very, very difficult thing. The child's development is growing. After the operation adjusts the abnormal position, if the position or orientation does not conform to the future growth trend, the operation is a complete failure.

The failure of the operation leads to more terrible secondary injury. Not only did it not improve the symptoms, it might aggravate the disease. It is such a terrible thing. Therefore, once some uncertain factors are added to some things, the difficulty of things will increase by an order of magnitude. Therefore, Lao Gao and Lao Wang should not be cautious in this operation.

This treatment in the early years was symptomatic. It is to forcibly adjust the wrong posture of the spine. There are many postoperative complications, because it is forcibly corrected. What often occurs is pseudojoints, deformity recurrence and huge incision trauma. Later, with the development of materials science, a variety of new materials appeared, and doctors slowly conquered the disease.

But this disease is so rare that many orthopedic doctors can't meet it all their life. Say less, it accounts for a large proportion of teenagers, and women account for the majority. And this operation can't be

quantified. For example, appendiceal surgery is from the iliac bone to the middle and outer third of the navel. Even if the position is wonderful, it's a big deal to cut a bigger hole and pull the cecum to find it. It can be found sooner or later.

But this operation can't work. It should be combined with the actual situation. Different doctors have different perceptions of the patient's future growth, and different surgical methods or orthopedic methods. For example, Lao Gao believes that the child can grow up to 1.8 meters in the future, while Lao Wang believes that the child can grow up to 3 meters in the future. This is a thing that cannot be quantified directly, so if there is no master to teach and want to do this kind of operation, just think about it.

This kind of operation has been performed since 1914. So far, most hospitals still can't do it, and most spine orthopedics doctors won't do it. Imagine the difficulty of this operation.

Zhang Fan's very detailed and persuasive operation plan made the two directors nod involuntarily at the same time.

"Have you ever had such an operation when you were a bluebird?" What Zhang Fan said was too clear and clear. Lao Wang couldn't refute it. He had to look for other basis to reassure himself. At the same time, Lao Gao also paid attention to it.

"Yes!" Lie, especially this kind of lie, said a lot. Zhang Fan felt that he was telling the truth. He was almost schizophrenic.

"Or ~ ~" Lao Wang looked at Lao Gao and said uncertainly.

"Director, really, there must be no problem. Absolutely well done. " In order to determine their thoughts, Zhang Fan had to say in a very positive tone.

"Do it!" Lao Gao took a look at Zhang Fan and agreed.

"OK, in that case, let's sign the operation plan together. I'm the director of spinal surgery. Let me sign the first name."

"The patient is from our department." Lao Gao said impolitely.

At this time, Zhang Fan's tears came down. Really, how lucky he was to meet such a good teacher and protect his teacher. The first thing here is not honor or interest. If the operation is done well, it should be done well. If it is not done well, it must be responsible and take the main responsibility.

"I'll sign the first one." Zhang Fan is crying.

"Ha ha!" The two old men looked at him at the same time and sneered! Naked despise!