

Class 5: Whooping cough, Infantile Diarrhea, Infantile Malnutrition, Infantile Convulsions, Infantile palsy

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Introduction

- Disease of Children have the similar characteristics of wind.
 - change and transform quickly.
 - convulsions.
- Easy to have food stagnation

Key points in diagnosing children

- Inspecting the vessel of the bars at the tiger's mouth
 - Observe the vein at the base of the palmar side of the index finger. Specially children under 2-3 years of age. The three gates are the three joints of the index finger. The metacarpal-phalangeal joint is called the wind gate. The first interphalangeal joint is called the qi bar. The distal interphalangeal joint is called the life bar.

Key points in diagnosing children

- Pulse examination
 - 120-140 beats per minute in newborns
 - 110-120 beats per minute in a one year old
 - 110 beats per minute in a four year old
 - 90 beats per minute in a eight year old.

Whooping cough dun ke

- Recurring spasmodic cough marked by the sound made during inspiration which resembles a rooster's crow. This cough alleviates spontaneously then begins again. "paroxysmal cough"
- includes:
 - pertussis

Etiology and pathogenesis

- Pathological mechanism: is attack external evils resulting in phlegm-turbidity, dysfunction of the ability of the lung to downbear and the upward counterflow ascent of lung qi
 - Initial coughing stage
 - External wind-cold
 - External wind-heat
 - Spasmodic coughing stage
 - Recovery stage
 - Lung yin vacuity
 - Spleen and stomach qi vacuity

Initial coughing stage: External wind-cold

- **Key symptoms:**
 - **Specific symptoms:** coughing with thin white foamy phlegm, fever, sneezing, runny nose,
 - **Pulse and tongue:** thin white coating, and floating with a light red index vessel pulse.
- **Treatment method:** dispel wind, dissipate cold, diffuse the lung, relieve coughing
- **Formula:** xing su san (apricot kernel and perilla)
- **Acupuncture:** BL-12 feng men, LU-07 lie que, LI-04 he gu, TB-05 wai guan

Formula and modifications

- Xing su san (apricot kernel and perilla):
 - Xing ren, zi su ye, zhi ke, qian hu, jie geng, zhi ban xia, fu ling, chen pi, sheng jiang, gan cao, da zao
- Modifications:
 - In cases where cold evil is predominant, use hua gai san: ma huang, xing ren, zi su zi, sang bai pi, fu ling, chen pi, zhi gan cao plus: bai bu, fa ban xia

Initial coughing stage: External wind-heat

- **Key symptoms:**
 - **Specific symptoms:** coughing with thick sticky yellow phlegm that is difficult to expectorate, chills and fever, sore red throat,
 - **Pulse and tongue:** thin yellow coating and floating, with a light red index vessel pulse.
- **Treatment method:** dispel wind, clear heat, diffuse the lung, relieve coughing
- **Formula:** sang ju yin (Mulberry leaf and chrysanthemum beverage)
- **Acupuncture:** BL-12 feng men, LU-07 lie que, LU-05 chi ze, GV-14 da zhui

Formula and modifications

- Sang ju yin (Mulberry leaf and chrysanthemum beverage):
 - Sang ye, ju hua, lian qiao, lu gen, xing ren, jie geng, bo he, gan cao
- Modifications:
 - In cases where heat is predominant, use Ma xing shi gan tang: ma huang, xing ren, shi gao, zhi gan cao, plus bai bu
 - When phlegm is thick, yellow and difficult to expectorate, combine: dai ge san: qing dai, hai ge ke, plus gua lou

Spasmodic coughing stage

- **Key symptoms:**
 - **Specific symptoms:** a recurring spasmodic cough manifesting in extended bouts of continuous coughing. The sound of the cough during deep inhalation is similar to a rooster's crow. Temporary relief from coughing is seen only after the expectoration of phlegm or the vomiting of food matter. During the night the coughing becomes more severe.
 - **General symptoms:** fever, dry mouth, constipation, concentrated urine, blood-streaked phlegm, epistaxis or (in some cases) subconjunctival hemorrhage,
 - **Pulse and tongue:** red with yellow coating and rapid, slippery, with a light red index vessel pulse.
- **Treatment method:** clear heat, drain the lung, transform phlegm, relieve coughing
- **Formula:** sang bai pi tang (mulberry root bark decoction)
- **Acupuncture:** GV-14 da zhui, GV-12 shen zhu, LU-05 chi ze, ST-40 feng long,

Formula and modifications

- Sang bai pi tang (mulberry root bark decoction):
 - Sang bai pi, fa ban xia, zi su zi, xing ren, zhe bei mu, huang qin, huang lian, shan zhi zi
- Modifications:
 - In cases of continuous spasmodic coughing, add bai jiang can, wu gong
 - In cases of coughing with repeated vomiting affecting food intake, add dai zhe shi, pi pa ye
 - In cases of hacking cough with scanty phlegm and red tongue with little coating, delete huang qin, huang lian, add bei sha shen, tian men dong, mai men dong
 - In cases with coughing up of blood, epistaxis and subconjunctival hemorrhage, add: bai mao gen, ce bai ye, san qi
 - In cases of red swollen eyes, add: long dan cao

Recovery stage: Lung yin vacuity

- **Key symptoms:**
 - **Specific symptoms:** a decreased in frequency and severity of coughing, dry cough with little phlegm
 - **General symptoms:** dry throat and thirsty
 - **Pulse and tongue:** red with peeled coating and rapid, thready, with a pale greenish index vessel pulse.
- **Treatment method:** supplement yin, moisten the lung, relieve coughing
- **Formula:** sha shen mai dong tang (adenophora/glehnia and ophiopogon decoction)
- **Acupuncture:** BL-13 fei shu, LU-09 tai yuan, ST-36 zu san li, BL-43 (38) gao huang shu, KI-03 tai xi

Formula and modifications

- Sha shen mai men dong tang
(adenophora/glehnia and ophiopogon decoction):
 - Bei sha shen, mai men dong, tian hua fen, yu zhu, bian dou, sang ye, gan cao
- Modifications:
 - To reinforce to transform phlegm and relieve coughing, add: jie geng, xing ren
 - In cases where phlegm is difficult to expectorate with dry stools, add: gua lou

Recovery stage: Spleen and stomach qi vacuity

- **Key symptoms:**
 - **Specific symptoms:** forceless coughing with thin phlegm
 - **General symptoms:** shortness of breath, tiredness, fatigue, loss of appetite, spontaneous perspiration
 - **Pulse and tongue:** pale with white coating, thready, weak, with a pale-greenish index vessel
- **Treatment method:** strengthen spleen and stomach qi, relieve coughing
- **Formula:** ren shen wu wei zi tang (ginseng and schisandra decoction)
- **Acupuncture:** BL-13 fei shu, BL-20 pi shu, LU-09 tai yuan, ST-36 zu san li

Formula and modifications

- Ren shen wu wei zi tang (ginseng and schisandra decoction):
 - Ren shen, bai zhu, fu ling, wu wei zi, mai men dong, zhi gan cao, sheng jiang, da zao
- Modifications:
 - In case with spontaneous perspiration and a tendency to catch colds, add: huang qi, fang feng

Infantile Diarrhea

xiao er fu xie

- An increase in frequency of bowel movement and a loose runny or even watery consistency of stools. Especially prevalent in children under two years of age.

Etiology and pathogenesis

- Viscera and bowels are tender and spleen and stomach are frail.
- External evils, internal injury from dietary imbalance, weaken of the spleen and stomach during extended illness or depletion of spleen and kidney yang
- Patterns:
 - Food stagnation
 - Damp-heat
 - Wind-cold
 - Spleen qi vacuity
 - Spleen and kidney yang vacuity

Food stagnation

- **Key symptoms:**
 - **Specific symptoms:** abdominal distention, borborygmus, intermittent abdominal pain followed by the passage of runny foul-smelling stools, alleviation of pain after moving the bowels, frequent belching, vomiting of undigested food, loss of appetite, restless sleep.
 - **Pulse and tongue:** thick slimy coating, slippery pulse.
- **Treatment method:** disperse food, abduct stagnation
- **Formula:** bao he wan (harmony-preserving pill)
- **Acupuncture:** CV-12 zhong wan, CV-11 jian li, ST-25 tian shu, CV-06 qi hai, ST-36 zu san li, M-LE-1 li nei ting

Formula and modifications

- Bao he wan (harmony-preserving pill):
 - Shan zha, shen qu, zhi ban xia, fu ling, chen pi, lian qiao, lai fu zi
- Modifications:
 - In case of severe abdominal pain and distention, add: mu xiang, hou po
 - In cases of severe vomiting, add: huo xiang, sheng jiang

Damp-heat

- **Key symptoms:**
 - **Specific symptoms:** Runny yellow foul-smelling stools often containing small amounts of mucus, abdominal pain, fever, thirst, burning sensation of the anus, dark scanty urine.
 - **Pulse and tongue:** yellow slimy coating, Rapid slippery pulse.
- **Treatment method:** clear heat, disinhibit dampness
- **Formula:** ge gen huang qin huang lian tang (pueraria, scutellaria and coptis decoction)
- **Acupuncture:** CV-12 zhong wan, ST-25 tian shu, LI-11 qu chi, ST-36 zu san li, ST-44 nei ting

Formula and modifications

- Ge gen qin lian tang (pueraria, scutellaria and coptis decoction)
 - Ge gen, huang qin, huang lian, zhi gan cao
- Modifications:
 - In cases where urine is dark and scanty, add: hua shi, tong cao
 - In cases of severe abdominal pain, add: bai shao yao, mu xiang
 - In cases of frequent vomiting, add: jiang ban xia, sheng jiang
 - In cases where damp evil is predominant, add: hou po, cang zhu
 - In cases where heat evil is predominant, add: shi gao

Wind-cold

- **Key symptoms:**
 - **Specific symptoms:** thin clear often foamy stools without marked foul odor, borborygmus, abdominal pain, fever and in some cases aversion to cold.
 - **Pulse and tongue:** white slimy coating, slippery or floating pulse.
- **Treatment method:** dispel wind, dissipate cold
- **Formula:** huo xiang zheng qi san
(agastache/patchouli qi-righting powder)
- **Acupuncture:** CV-12 zhong wan, ST-25 tian shu, LI-04 he gu, ST-37 shang ju xu, SP-09 yin ling quan

Formula and modifications

- Huo xiang zheng qi san (agastache/patchouli qi-righting powder):
 - Huo xiang, zi su zi, bai zhi, da fu pi, fu ling, bai zhu, chen pi, jiang ban xia, hou po, jie geng, zhi gan cao, sheng jiang, da zao
- Modifications:
 - In cases of abdominal pain, add: mu xiang, sha ren
 - In cases of accompanied by food accumulation and stagnation, add shan zha, shen qu
 - In cases with dark scanty urine, add: ze xie, zhu ling

Spleen qi vacuity

- **Key symptoms:**
 - **Specific symptoms:** pale-colored liquid stools without marked foul odor, bowel movements often occurring directly after meals, variation in severity of diarrhea, sallow complexion, poor appetite, emaciation, lassitude, fatigue.
 - **Pulse and tongue:** pale with white coating, tardy, thready pulse.
- **Treatment method:** fortify the spleen, boost qi
- **Formula:** shen ling bai zhu san (ginseng, poria, and ovate atractylodes powder)
- **Acupuncture:** BL-20 pi shu, CV-12 zhong wan, ST-25 tian shu, ST-36 zu san li, LR-13 zhang men

Formula and modifications

- Shen ling bai zhu san (ginseng, poria, and ovate atractylodes powder):
 - Ren shen, fu ling, bai zhu, shan yao, bai bian dou, lian zi, yi yi ren, sha ren, jie geng, zhi gan cao
- Modifications:
 - In cases of abdominal pain and distention, add: mu xiang
 - In cases of prolonged diarrhea without signs of food accumulation and stagnation, add ke zi, chi shi zhi
 - In cases where stools are watery with undigested food, add gan jiang

Spleen and kidney yang vacuity

- **Key symptoms:**
 - **Specific symptoms:** prolonged diarrhea, bowel movements directly following meals, thin clear stools containing undigested food matter, physical cold, cold extremities, pale complexion, listlessness and in some cases anal prolapse.
 - **Pulse and tongue:** pale with white coating, weak, thready pulse.
- **Treatment method:** supplement the spleen, warm the kidney
- **Formula:** fu zi li zhong tang (aconite center-rectifying decoction) with si shen wan (four spirits pill)
- **Acupuncture:** BL-20 pi shu, BL-23 shen shu, ST-36 zu san li, ST-25 tian shu, CV-06 qi hai

Formula and modifications

- Fu zi li zhong tang (aconite center-rectifying decoction):
 - Zhi fu zi, ren shen, bai zhu, pao jiang, zhi gan cao
- Si shen wan (four spirits pill):
 - Bu gu zhi, rou dou kou, wu wei zi, wu zhu yu
- Modifications:
 - In cases of anal prolapse, add: huang qi, zhi sheng ma
 - In cases of prolonged diarrhea, add: ke zi, chi shi zhi

Infantile Malnutrition

xiao er gan ji

- A chronic condition marked by emaciation, sallow complexion, poor hair growth, marked abdominal distention, protrusion of the superficial abdominal veins, irregular eating habits and listlessness
- Includes:
 - Termed infantile malnutrition

Etiology and pathogenesis

- The function of spleen and stomach are delicate during early years of life
 - Improper diet that lacks essential nutrients
 - Injury by parasitic worms
- Patterns:
 - Spleen and stomach vacuity
 - Infection by parasitic worms

Spleen and stomach vacuity

- **Key symptoms:**
 - **Early stages:** gradual onset, loss of weight, sallow lusterless complexion, thinning of the hair, refusal of food or poor appetite, lack of alertness, restlessness, frequent crying and loose stools
 - **With further pathological development:** internal food accumulation and stagnation, emaciation, marked abdominal distention with protrusion of the navel and superficial abdominal veins scaly skin, dry brittle hair, listlessness, dry lips and mouth, periodic low-grade fever and restless sleep with the eyes often left unclosed.
 - **Pulse and tongue:** slimy, scummy or completely peeled coating, weak, thready pulse.
- **Treatment method:** fortify the spleen and stomach, disperse food accumulation and stasis, transform stagnation
- **Formula:** zi sheng jian pi wan (life promoting spleen-fortifying pill) or gan ji san (gan accumulation powder)
- **Acupuncture:** CV-12 zhong wan, BL-21 wei shu, M-UE-9 si feng, LR-13 zhang men, ST-36 zu san li, BL-20 pi shu, SP-04 gong sun

Formula and modifications

- Zi sheng jian pi wan (life promoting spleen-fortifying pill):
 - Dang shen, bai zhu, fu ling, shan yao, bian dou, yi yi ren, lian zi, huang lian, huo xiang, bai dou kou, zhi shi, zhi ke, ze xie, jie geng, mai ya, shen qu, shan zha, zhi gan cao
- Gan ji san (gan accumulation powder):
 - Ji nei jin, cang zhu, rou dou kou, xiang fu zi, hu huang lian, shen qu, sha ren, mai ya
- Modifications:
 - Where food accumulation and stasis is severe, delete: dang shen, bai zhu, shan yao, add: ji nei jin
 - In cases of loose stools, add pao jiang
 - In the later stages of malnutrition with the presentation of extreme emaciation, use ba zhen tang
 - In cases of spleen yang vacuity, delete bai shao yao, add pao jiang, zhi fu zi
 - For yin deficiency, add: wu mei, shi hu

Infection by parasitic worms

- **Key symptoms:**
 - **Specific symptoms:** in addition to the above symptoms, patients may be prone to overeating or the ingestion of inedible matter, abdominal distention with protrusion of superficial abdominal veins, frequent abdominal pain and grinding of the teeth during sleep.
 - **Pulse and tongue:** pale tongue, wiry, thready pulse.
- **Treatment method:** digest food accumulation and stagnation, expel worms
- **Formula:** fei er wan (chubby child pill)
- **Acupuncture:** CV-14 ju que, CV-12 zhong wan, ST-25 tian shu, ST-36 zu san li, M-UE-9 si feng, M-LE-34 bai chong wo

Formula and modifications

- Fei er wan:
 - Shen qu, huang lian, rou dou kou, shi jun zi, mai ya, bin lang, mu xiang

Infantile Convulsions

xiao er jing feng

- The patterns presenting the following major symptoms: muscular spasms of the limbs, jaw tetany, opisthotonos and clouding of the consciousness. Most frequently seen in children under five years old
- Includes:
 - high fever and acute infectious diseases of the central nervous system, such as epidemic cerebrospinal meningitis, encephalitis B, toxic bacillary dysentery and toxic pneumonia,
 - Chronic convulsions: prolonged diarrhea or vomiting, metabolic or nutritional disturbances and chronic infection diseases of the central nervous system, such as tubercular meningitis.

Etiology and pathogenesis

- Acute convulsions: repletion
 - External evils that can transform into heat, heat give rise to internal wind.
 - Food stasis and production of phlegm-heat
- Chronic convulsions: vacuity
 - A weaken spleen by the liver, or dual liver and kidney yin vacuity
 - Develop following acute convulsions
- Patterns:
 - Acute fright wind-external wind
 - Acute fright wind-internal phlegm-heat
 - Acute fright wind-sudden fright or fear
 - Chronic fright wind-spleen vacuity and liver exuberance
 - Chronic fright wind-liver and kidney yin vacuity

Acute fright wind-external wind

- **Key symptoms:**
 - **Specific symptoms:** abrupt onset, high fever, thirst, headache, inflamed throat, mental disturbance, irritability, limb spasms, jaw tetany, neck rigidity, rolling back of the eyes and in severe cases, opisthotonos.
 - **Pulse and tongue:** red with yellow coating, rapid wiry, greenish-purple index vessel.
- **Treatment method:** clear heat, dispel evil, open the orifice, extinguish wind
- **Formula:** qing wen bai du san (Scourge-clearing toxin-vanquishing beverage)
- **Acupuncture:** LU-11 shao shang, LI-01 shang yang, HT-09 shao chong, SI-01 shao ze, PC-09 zhong chong TB-01 guan chong, GV-14 da zhui, LI-04 he gu, LR-03 tai chong, GB-34 yang ling quan.

Formula and modifications

- Qing wen bai du yin (Scourge-clearing toxin-vanquishing beverage):
 - Shi gao, sheng di huang, xi jiao, huang lian, shan zhi zi, huang qin, zhi mu, chi shao yao, xuan shen, lian qiao, mu dan pi, jie geng, zhu ye, gan cao
- Modifications:
 - To clear heat, eradicate wind and relieve convulsions add: ling yang jiao, gou teng, shi jue ming
 - For phlegm heat, add: shi chang pu, yu jin, dan xing, fa ban xia
 - In cases presenting constipation, add: da huang, mang xiao
 - In cases with abdominal pain where the stools contain pus and blood, add: bai tou weng tang, huang bai, qin pi, huang lian

Acute fright wind-internal phlegm-heat

- **Key symptoms:**
 - **Specific symptoms:** initial symptoms include loss of appetite, vomiting, fever, abdominal pain and constipation or stools containing pus and blood, followed by sudden loss of consciousness, convulsions, wheezing respiration, abdominal fullness and distention, heavy breathing.
 - **Pulse and tongue:** thick yellow slimy coating, wiry slippery
- **Treatment method:** clear heat, transform phlegm, open the orifice, relieve convulsions.
- **Formula:** Xiao er hui chun dan (children's return of spring elixir)
- **Acupuncture:** GV-26 ren zhong, TB-19 lu xi, CV-12 zhong wan, ST-40 feng long, HT-07 shen men, LR-03 tai chong.

Formula and modifications

- Xiao er hui chun dan (children's return of spring elixir)
- Modifications:
 - In cases accompanied by food stagnation, add bao he wan: Shan zha, shen qu, zhi ban xia, fu ling, chen pi, lian qiao, lai fu zi

Acute fright wind-sudden fright or fear

- **Key symptoms:**
 - **Specific symptoms:** no fever, lack of warmth in the limbs, restless sleep followed by crying or wailing and jumpiness after awakening, greenish complexion, intermittent convulsions.
 - **Pulse and tongue:** thin coating, deep, greenish-purple index vessel.
- **Treatment method:** relieve convulsions, quiet the spirit.
- **Formula:** hu po bao long wan (amber dragon-embracing pill) and zhu sha an shen wan (cinnabar spirit-quieting pill)
- **Acupuncture:** GV-21 qian ding, M-HN-3 yin tang, HT-07 shen men, KI-01 yong quan

Formula and modifications

- Hu po bao long wan (amber dragon-embracing pill)
- Zhu sha an shen wan (cinnabar spirit-quieting pill)

Chronic fright wind-spleen vacuity and liver exuberance

- **Key symptoms:**
 - **Specific symptoms:** emaciation, sallow complexion, tiredness, fatigue, heavy sleep with exposure of the eye balls, intermittent convulsions, incomplete closure of fontanel, lack of warmth in the limbs, loose runny greenish stools slight edema of the face and back of feet.
 - **Pulse and tongue:** pale with coating, deep, weak pulse.
- **Treatment method:** strengthen the spleen, calm the liver, relieve convulsions.
- **Formula:** huan gan li pi tang (liver-relaxing spleen-rectifying decoction)
- **Acupuncture:** BL-20 pi shu, BL-21 wei shu, ST-36 zu san li, GV-20 bai hui, M-HN-3 yin tang, LR-03 tai chong

Formula and modifications

- Huan gan li pi tang (liver-relaxing spleen-rectifying decoction):
 - Ren shen, fu ling, bai zhu, gui zhi, bai shao yao, chen pi, shan yao, bian dou, sheng jiang, zhi gan cao, da zao
- Modifications:
 - To reinforce the effects of soothing the liver and relieving convulsions, add: gou teng, tian ma, ju hua
 - In cases of prolonged illness leading to vacuity of spleen and kidney yang, use gu zhen tang: huang qi, ren shen, bai zhu, fu ling, shan yao, zhi gan cao, zhi fu zi, rou gui

Chronic fright wind-liver and kidney yin vacuity

- **Key symptoms:**
 - **Specific symptoms:** restlessness, red cheeks, emaciation, feverish palms and soles, intermittent convulsions, hard, dry stools.
 - **Pulse and tongue:** red with little or no coating, rapid thready pulse.
- **Treatment method:** supplement and boost liver and kidney yin, relieve convulsions.
- **Formula:** da ding feng zhu (major wind-stabilizing pill) or san jia fu mai tang (triple-armored pulse-restorative decoction)
- **Acupuncture:** BL-18 gan shu, BL-23 shen shu, GV-24 shen ting, GV-20 bai hui, KI-02 ran gu, LR-03 tai chong

Formula and modifications

- Da ding feng zhu (major wind-stabilizing pill):
 - Bai shao yao, e jiao, gui ban, sheng di huang, huo ma ren, wu wei zi, mu li, mai men dong, bie jia, ji zi huang, zhi gan cao
- San jia fu mai tang (triple-armored pulse-restorative decoction)
 - Zhi gan cao, shu di huang, bai shao yao, mai men dong, e jiao, mu li, bie jia, gui ban

Infantile palsy

Xiao er ma bi

- Contagious disease caused by toxic, seasonal and epidemic evils. Affects children under five years old, especially those between six months and two years old.
 - Initial stages: fever, coughing, inflamed throat, general aches and pains and sometimes vomiting and diarrhea.
 - Paralysis stage: paralysis of limbs, muscular atrophy and deformity of the joints.
- Includes: polio or poliomyelitis

Etiology and pathogenesis

- Toxic wind, heat and dampness invade the lung and stomach and cause symptoms similar to those of the common cold, epidemic toxins spread internal along the channels and connections, which obstruct qi and blood and thereby denying nutrients to the sinews and cause flaccid paralysis of limbs. Further lacking treatment, qi becomes depleted and blood stagnates, liver and kidney are affected
- Patters:
 - Evils entering the lung and stomach
 - Evils entering the channels and connections
 - Qi vacuity with blood stasis
 - Liver and kidney depletion

Evils entering the lung and stomach

- **Key symptoms:**
 - **Specific symptoms:** fever, perspiration, coughing, runny nose, sore inflamed throat, general malaise, headache, vomiting, abdominal pain and diarrhea in some cases..
 - **Pulse and tongue:** red with thin yellow sometimes slimy coating, rapid or soft, rapid.
- **Treatment method:** course wind, clear heat, disinherit dampness, resolve the exterior.
- **Formula:** ge gen huang qin huang lian tang (pueraria, scutellaria and coptis decoction)
- **Acupuncture:** LI-04 he gu, LU-07 lie que, GB-20 feng chi, LI-11 qu chi, SP-09 yin ling quan, SP-06 san yin jiao

Formula and modifications

- Ge gen huang qin huang lian tang (pueraria, scutellaria and coptis decoction):
 - Ge gen, huang qin, huang lian, zhi gan cao
- Modifications:
 - In cases where dampness evil predominates, add: huo xiang, yi yi ren, zhi ban xia
 - In cases of irritability and restlessness, add: deng xin cao, di long
 - In cases of sleepiness with slimy tongue coating, add dan nan xing, fu ling, shi chang pu
 - In cases of presenting frequent nausea and vomiting with a yellow slimy tongue coating, add jiang ban xia, zhu ru
 - In cases with constipation, add quan gua lou, jue ming zi

Evils entering the channels and connections

- **Key symptoms:**
 - **Specific symptoms:** fever, perspiration, pains in the limbs, difficulty rotating the torso, crying, restlessness and eventual paralysis. Paralysis can occur in any part of the body.
 - **Pulse and tongue:** yellow slimy coating, rapid or soft pulse.
- **Treatment method:** clear heat, transform dampness, course and free the channels and connections.
- **Formula:** qiang huo sheng shi tang (Notopterygium dampness-overcoming decoction)
- **Acupuncture:** LI-11 qu chi, ST-36 zu san li, SP-09 yin ling quan, SP-06 san yin jiao

Formula and modifications

- Qiang huo sheng shi tang (Notopterygium dampness-overcoming decoction):
 - Qiang huo, du huo, gao ben, fang feng, man jing zi, chuan xiong, zhi gan cao
- Modifications:
 - To clear heat and dispel dampness, add: cang zhu, huang bai, fang ji, yi yi ren
 - In cases of facial paralysis or general muscular aches and pains, use qian zheng san: zhi bai fu zi, bai jiang cao, quan xie

Qi vacuity with blood stasis

- **Key symptoms:**
 - **Specific symptoms:** after the fever subsides, the limbs become numb, flaccid and weak. This pattern usually presents in patients who have not recovered after six months of illness. Accompanying symptoms include sallow complexion and a tendency to perspire.
 - **Pulse and tongue:** pale or dark with white coating, tardy or weak pulse.
- **Treatment method:** supplement qi, quicken the blood, clear the channels and connections.
- **Formula:** bu yang huan wu tang (yang-supplementing five-returning decoction)
- **Acupuncture:** LI-15 jian yu, TB-14 jian liao, LI-11 qu chi, TB-05 wai guan, LI-04 he gu, GV-14 da zhui, SI-14 jian wai shu, SI-03 hou xi

Formula and modifications

- Bu yang huan wu tang (yang-supplementing five-returning decoction):
 - Huang qi, dang gui, chi shao yao, di long, chuan xiong, hong hua, tao ren
- Modifications:
 - In cases of paralysis of the upper limbs, add sang zhi, gui zhi
 - In cases of paralysis of the lower limbs, add: sang ji sheng, niu xi, xu duan, du zhong,
 - In cases where damp-heat has not been completely dispelled, add san miao wan: cang zhu, huang bai, chuan niu xi

Liver and kidney depletion

- **Key symptoms:**
 - **Specific symptoms:** over time there is evident muscular atrophy of the paralyzed limb, which is markedly shorter and thinner than the unaffected limb. There may also be deformity of the bones and joints of the area paralyzed, including anterior or lateral curvature of the spine, or plantar, inverted or everted club foot.
 - **Pulse and tongue:** pale tongue, thready deep pulse.
- **Treatment method:** supplement the liver and kidney, warm and clear the channels and connections.
- **Formula:** hu qian wan (Hidden tiger pill)
- **Acupuncture:** BL-18 gan shu, BL-23 shen shu, GV-03 yao yang guan, GB-34 yang ling quan, GB-39 xuan zhong, KI-03 tai xi, LI-11 qu chi, ST-36 zu san li

Formula and modifications

- Hu qian wan (Hidden tiger pill):
 - Shu di huang, zhi mu, gui ban, huang bai, bai shao yao, hu gu, chen pi, suo yang, gan jiang
- Modifications:
 - In cases of cold extremities and thready pulse, add: huang qi, gui zhi, dang gui