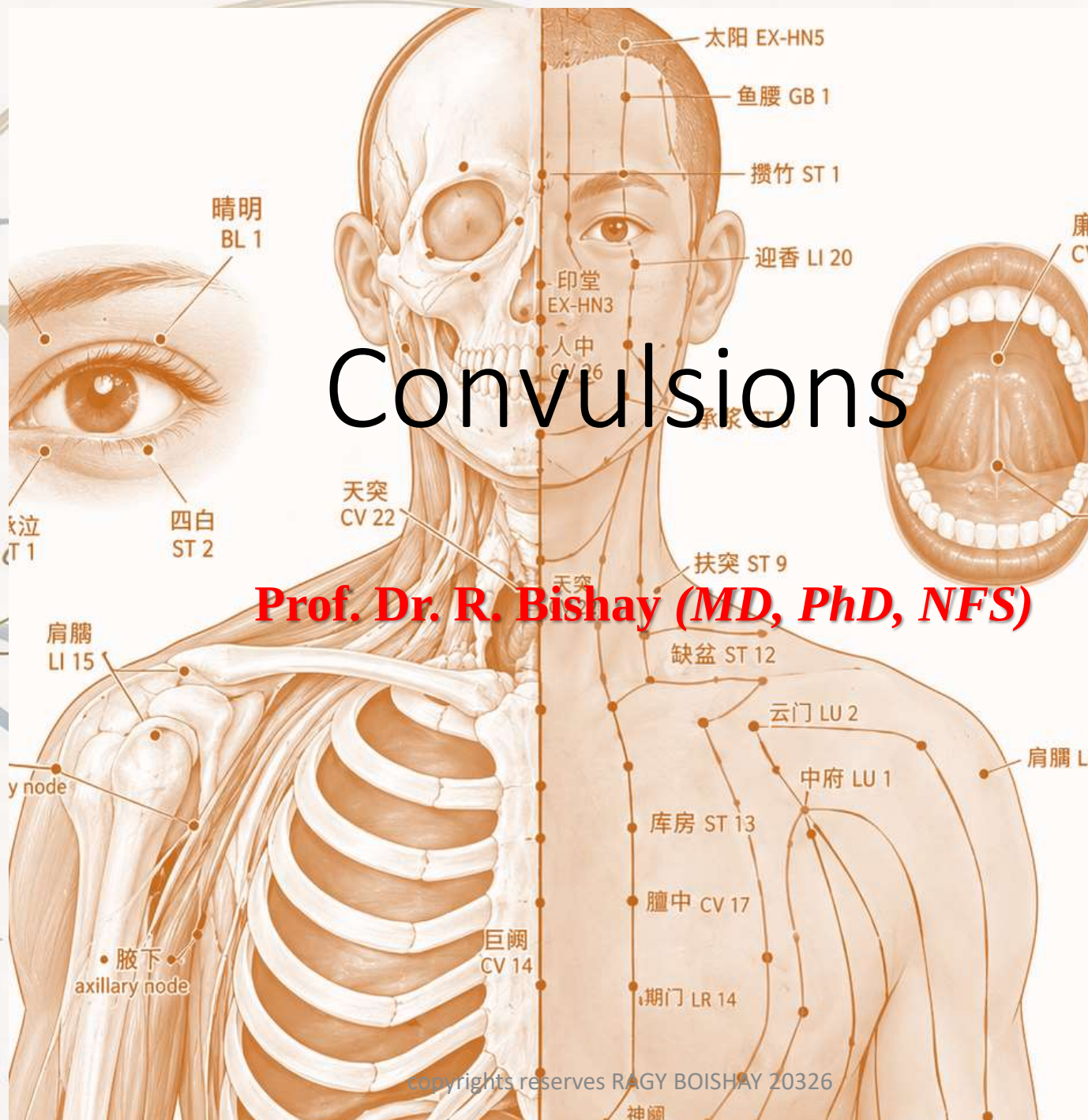


Convulsions

Prof. Dr. R. Bishay (MD, PhD, NFS)

Simi Rahman M.Sc



Convulsions (Jing Feng)

- Characterized by **sudden or violent, irregular motions** and spirit dimming or mental cloudiness
- They may be simply an **exaggerated startle reflex** where the child **suddenly jerks** their four limbs or they may include actual epilepsy
- In clinical practice in the West, infantile convulsions most commonly occur in association with **high fever**
- Infantile convulsions primarily occur in children **under five years of age**, with a higher likelihood of incidence the younger the child
- The incidence of pediatric convulsions **gradually decreases after seven years of age**

Prof. Dr. R. Bishay (MD, PhD, NFS)



Convulsions (Jing Feng)

- In TCM, the diagnosis and treatment of infantile convulsions is divided into:
 - acute and chronic convulsions
- **Acute convulsions** are associated with invasion by external seasonal evils and **Phlegm Heat** from food stagnation
- **Chronic convulsions** are due to **internal stirring of wind** due to deficiency



IN
WE

Convulsions (Jing Feng)

• Key Signs and Symptoms:

- Generalized or localized convulsions, often w/loss of consciousness, that can be acute or chronic

• TCM Etiology:

- Exogenous pathogens invading → stirs up Wind
- Yang constitution/Improper diet → Internal Heat OR, Phlegm → Wind
- Severe emotional stress, fright → upsets Qi → Qi + Blood disorder → Wind
- Constitutional weakness, improper diet, chronic illness → SB + ST Def → LR overactive → Wind
- Long-term illness → damages LR + KI Yin → Wind

• TCM Pathology:

- Disturbance of Qi due to excess/def, Phlegm, severe emotions or Qi Def → stirs up Internal Wind → convulsions

• Relevant Western Medicine Diseases:

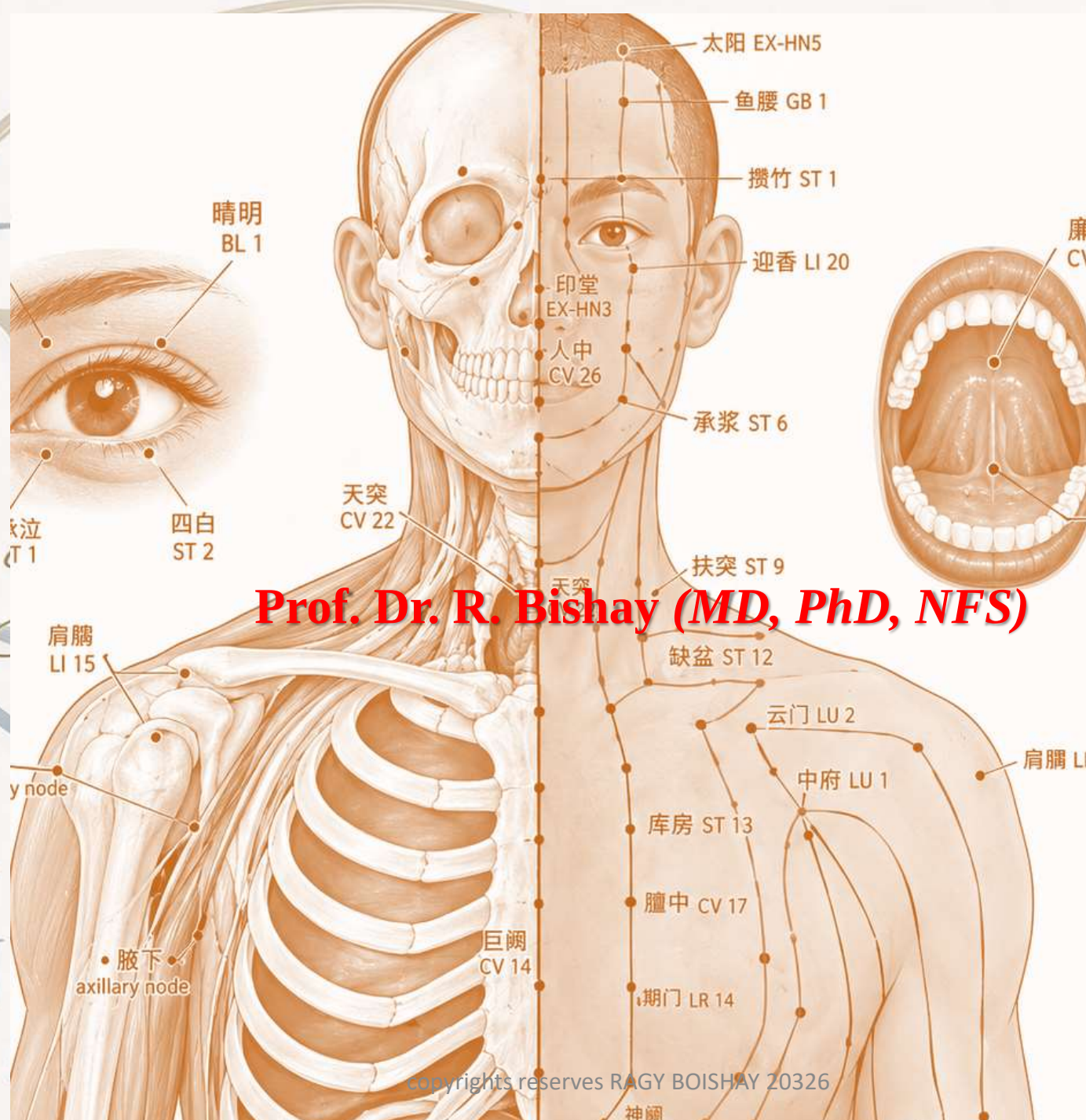
- Febrile seizures, Viral infections, Meningitis, Encephalitis, Nutritional Deficiency, B6 Deficiency, Psychogenic seizures



Prof.



IN
WE



Prof. Dr. R. Bishay (MD, PhD, NFS)

copyrights reserves RAGY BOISHAY 20326





2. Wind Heat

Clinical manifestations

Aversion to wind, fever, headache, cough, runny nose, a red throat, vexation and agitation, delirious speech, arched back rigidity, trembling or quivering of the hands and fingers, occasional spirit-will clouding and confusion
Tongue: thin, yellow tongue coat
a superficial, purple **finger vein**
Pulse: floating, rapid

Treatment principle

Resolve the exterior wind and clear heat

Treatment: Herbs

-Yin Qiao San Jia Jian (Lonicera & Forsythia Powder with Additions & Subtractions)

In this case, the spasms and tremors are the result of heat damaging the sinews and vessels and giving rise to internal stirring of liver wind.

Acupuncture

Du-26, LI-4, KI-1, LI-11, LR-3, DU-14, Bleeding Shixuan

Pattern Differentiation: **acute convulsions**

3. Summer-Heat & Dampness

Clinical manifestations

At first, there is aversion to cold, fever, no sweating, headache, and bodily hypertonicity. Next, there could be nausea and vomiting, heart vexation, restlessness, arched neck, fatigue, convulsions

Tongue: red w/slimy, yellow tongue coat
Pulse: slippery + rapid

Treatment principle

Clear heat, eliminate summer-Heat, resuscitate and stop Wind + convulsions

Treatment: Herbs

-Xiang Ru Yin Jia Wei (Elsholtzia Beverage with Added Flavors)

In this case, the convulsions are due to heat damaging the sinews and vessels and giving rise to internal stirring of liver wind.

Acupuncture

Du-26, LI-4, KI-1, LI-11, LR-3, DU-14, Bleeding Shixuan

Pattern Differentiation: acute convulsions

4. Epidemic Pestilence

Clinical manifestations

The onset of the disease is sudden with high fever, oral thirst, severe headache, agitation, and restlessness. Very quickly there is spirit-will clouding and confusion with both eyes staring upward and frequent, repeated spasms and tremors.

Tongue: dry and scarlet with yellow, coarse coat

The **finger vein** is blue-green and purple and is found in the qi bar or above

Pulse: wiry and rapid

Treatment principle

Clear heat and resolve toxins, cool the blood and extinguish wind to stop convulsions

Treatment: Herbs

-Qing Wen Bai Du Yin Jia Jian (Clear the Scourge & Vanquish Toxins Beverage with Additions & Subtractions)

Plus

An Gong Niu Huang Wan (Quiet the Palace Bezoar Pills, a Chinese patent medicine)

Note: In this case, exuberant heat has severely damaged fluids and humors.

Acupuncture

Du-26, LI-4, KI-1, LI-11, LR-3, DU-14, Bleeding Shixuan

Pattern Differentiation: acute convulsions

5. Phlegm Heat Food Retention

Clinical manifestations

No thought for food or milk, vomiting, abdominal distention and fullness, hard to pass stools, profuse phlegm, fever, coma, convulsions, rales, face is bluish green

Tongue: red w/thick, slimy, yellow coat

The **finger vein** is purplish

Pulse: slippery, and rapid

Treatment: Herbs

-Bao He Wan Jia Jian (Protect Harmony Pills with Additions & Subtractions)

Plus

Yu Shu Dan (Jade Axis Elixir, a Chinese ready-made medicine)

Note: Again, the convulsions are due to phlegm and heat giving rise to stirring of liver wind.

Acupuncture

Du-26, LI-4, KI-1, ST-25, ST-40, Ren-12, PC-6

Avoid overeating and improve diet

Treatment principle

Disperse food and eliminate stagnation, transform phlegm and clear heat

Pattern Differentiation: chronic convulsions

1. Spleen-Kidney Yang Deficiency

Clinical manifestations

Extreme listlessness of the essence spirit, movements of the hands and feet, deep sleep, clouding and confusion, icy chill of the four limbs, profuse sweating from the forehead, clear, watery stools, a white facial complexion,

Tongue: pale w/glossy, white coat

Pulse: deep + weak

Treatment: Herbs

-Gu Zhen Tang Jia Jian (Secure the True Decoction with Additions & Subtractions)

Note: In this pattern, it is wind engendered internally which gives rise to the wriggling hands and feet.

Acupuncture

Du-26, LI-4, KI-1, LR-3, DU-14, BL-20, BL-23, Du-4, Ren-4, Ren-6 w/Moxa

Treatment principle

Warm and tonify the Spleen and Kidneys, strengthen Yang and dispel empty cold

Pattern Differentiation: chronic convulsions

2. Liver-Kidney Yin Deficiency

Clinical manifestations

Spasms and tremors occasionally are acute and occasionally are relaxed. There is emaciation, listlessness of the essence spirit, restlessness, low-grade fever, heat in the centers of the hands and feet, easy sweating, dry stools, tremors of the four limbs or rigidity of the body and limbs, a flushed red facial complexion

Tongue: dry, bright red tongue with no coat

Pulse: fine, deep, rapid

Treatment: Herbs

-Da Ding Feng Zhu Jia Jian (Great Stabilize Wind Pearls with Additions & Subtractions)

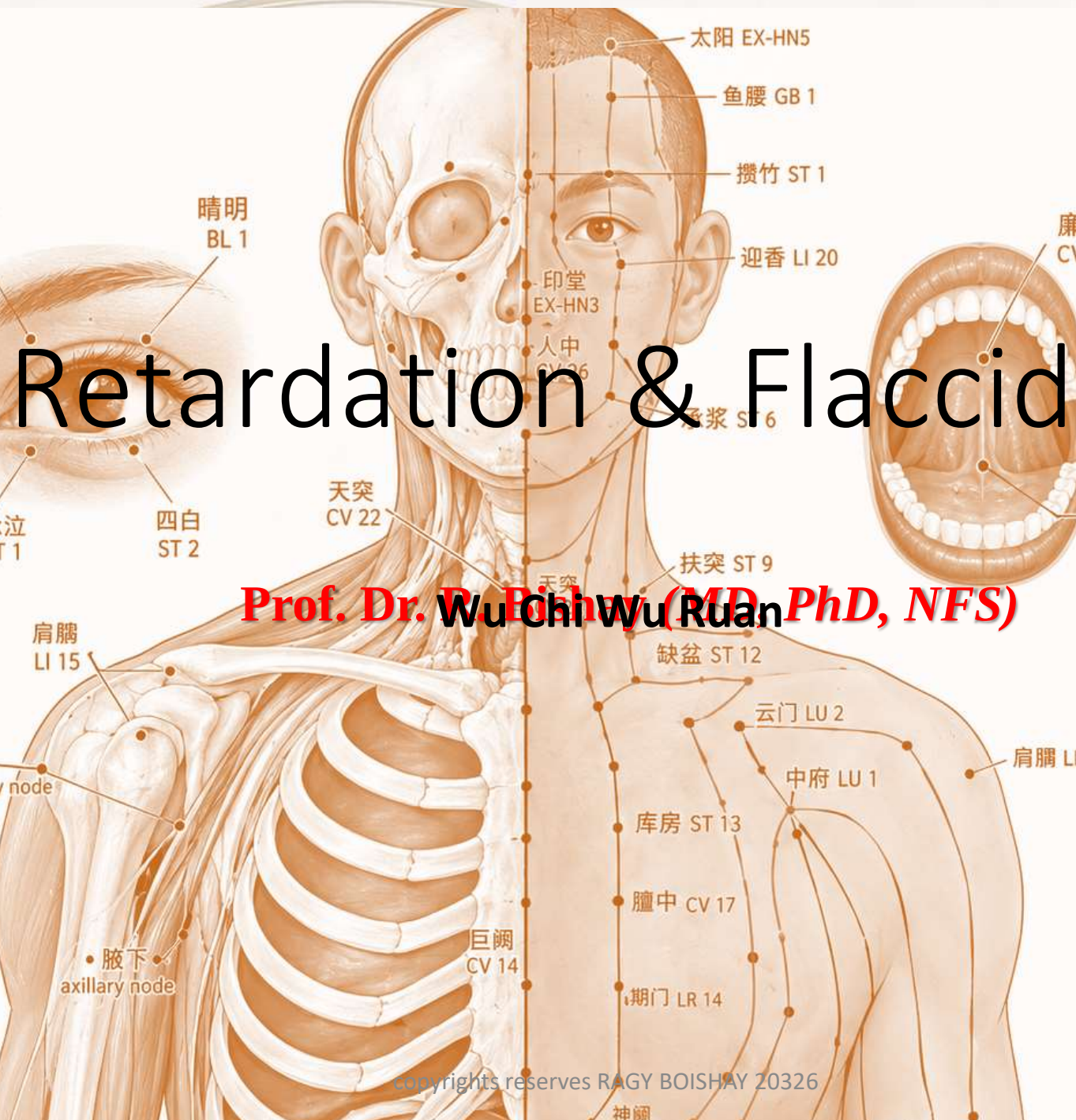
Note: Due to liver blood deficiency, the sinews lack nourishment, while deficiency gives rise to wind stirring internally

Acupuncture

Du-26, LI-4, KI-1, LI-11, LR-3, DU-14, PC-6, Ren-4

Treatment principle

Nourish yin, nourish the Liver and Kidneys, extinguish wind



Prof.



Retardation & Flaccidity (Wu Chi Wu Ruan)

- **Key Signs and Symptoms:**

- 5 delays: standing, walking, teething, hair growth, speaking
- 5 flaccidities: soft mouth, soft head-neck, soft arms, soft legs, soft muscles

- **TCM Etiology:**

- Parents weak or mother sick during pregnancy → Pre-natal Qi Def
- Improper diet, undernourished, chronic illness → Post-natal Qi Def
- Traumatic injury → Blood stasis

- **TCM Pathology:**

- Obstruction due to trauma + Blood stasis, OR, Qi Def due to weak constitution/ poor nutrition → cannot nourish Zang, Qi, Blood, Shen → retardation + flaccidity

- **Relevant Western Medicine Diseases:**

- Intellectual disability, Cerebral palsy, Down's syndrome



Retardation & Flaccidity (Wu Chi Wu Ruan)

Relationship of the Shen and the 5 Elements

Element	Organ	Functions
Fire	Heart	Consciousness, awareness, lateral thinking
Earth	Spleen	Gathering, remembering, handling facts
Metal	Lung	Discrimination
Water	Kidney	Mental energy, ability to hold ideas without influence
Wood	Liver	Spatial and temporal awareness, change of planning



W E

axillary node

copyrights reserves RAGY BOISHAY 20326

期门 LR 14

神阙

期门 LR 14

神阙

太阳 EX-HN5

胃脘 GB

攒竹 ST

迎香 LI 20

太阳 EX-HN5

胃脘 GB 1

攒竹 ST 1

迎香 LI 20

印堂 EX-HN3

印堂 EX-HN3



廉 CV

肩髃 L

Pattern Differentiation:

太阳 EX-HN5

鱼腰 GB 1

太阳 EX-HN5

鱼腰 GB 1



1. SP + KI Yang Deficiency

Clinical manifestations

Head + neck are soft + weak, cannot raise head, mouth soft, lips thick, small boned, poor tooth formation, small, low-set ears, chews and sucks without strength, dribbling saliva, arms soft + hanging down, weak and cannot stand, muscles slack and without strength, easily fatigued, easily influenced by mood of others

Tongue: pale w/white coat

Pulse: deep + forceless

Treatment principle

Tonify KI, strengthen SP

Treatment:

Acupuncture

DU-14, Du-20, Yintang, PC-6, LI-4, SP-6, ST-36, BL-20, BL-23, KI-3

廉
CV



肩髃 L

Pattern Differentiation:

太阳 EX-HN5

鱼腰 GB 1

太阳 EX-HN5

鱼腰 GB 1



2. Qi + Blood Deficiency

Clinical manifestations

Skin + body are soft and weak, joints are soft and weak, cannot sit up straight, dull spirit, mental confusion, bright, white facial complexion, cold limbs, mouth soft, stays opens, tongue hangs out, poor appetite + digestion, white lips, easily bored, may have dark rings around the eyes

Tongue: shiny coat

Pulse: deep, forceless, possibly slippery

Treatment principle

Strengthen Qi, nourish Blood

Treatment:

Acupuncture

Du-14, Du-20, Yintang, PC-6, LI-4, SP-6, ST-36, BL-20, Ren-12

廉
CV



肩髃 L

Pattern Differentiation:

太阳 EX-HN5

鱼腰 GB 1

太阳 EX-HN5

鱼腰 GB 1



4. SP + ST Deficiency

Clinical manifestations

Gradual onset of flaccidity of lower limbs, even muscular atrophy in severe cases, poor appetite, sallow complexion, listlessness, lassitude, low voice, feeble breathing

Tongue: pale w/thin, white coat

Pulse: thin + weak

Treatment:

Acupuncture

Ren-12, SP-6, ST-36, BL-13, BL-20, BL-21, BL-23, Ren-4, GB-34, LU-9, Du-20

Treatment principle

Strengthen the SP, regulate ST, tonify Qi, nourish Blood

廉
CV



肩髃 L

Pattern Differentiation:

太阳 EX-HN5

鱼腰 GB 1

太阳 EX-HN5

鱼腰 GB 1



5. LR + KI Yin Deficiency

Clinical manifestations

Slower development than children their own age, difficulty in holding the head, in crawling, in sitting, in walking, in teething, poor intellectual ability, dry eyes, weak tendons and bones, lassitude

Tongue: light red w/no coat

Pulse: thread + weak

Treatment principle

Nourish the LR and KI, strengthen the tendons and marrow

Treatment:

Acupuncture

KI-3, KI-6, SP-6, BL-18, BL-20, BL-23, Ren-4, Ren-6, GB-39

Tuina massage

廉
CV

肩髃 L

Pattern Differentiation:

太阳 EX-HN5

鱼腰 GB 1

太阳 EX-HN5

鱼腰 GB 1



6. HT Blood Deficiency

Clinical manifestations

Sluggish expression, mental slowness, no crying or restlessness, delayed speech, failure to express thought, slurred speech, difficulty in speaking fluently, sallow and lusterless complexion, pale lips, pale tongue + nails, thin + stringy hair

Tongue: pale w/no coat

Pulse: slow + weak

Treatment principle

Tonify Blood, nourish HT to benefit intelligence

Treatment:

Acupuncture

HT-7, PC-6, Ren-4, Ren-14, BL-15, BL-17, BL-20, ST-36

Eat blood nourishing foods

廉
CV

肩髃 L

Pattern Differentiation:

太阳 EX-HN5

鱼腰 GB 1

太阳 EX-HN5

鱼腰 GB 1



7. Blood Stasis obstructing Cerebral Collaterals

Clinical manifestations

Deafness, difficulty speaking, slow response, unconsciousness or involuntary movement, limb stiffness, sluggish expression, occasional scream, epilepsy

Tongue: purple

Pulse: deep + choppy

Treatment:

Acupuncture

BL-17, SP-10, LR-3, HT-7, Du-20, Sishencong

Treatment principle

Move Blood Stasis, open Collaterals + Orifices

廉
CV



肩髃 L

Pattern Differentiation:

太阳 EX-HN5

鱼腰 GB 1

太阳 EX-HN5

鱼腰 GB 1



8. Phlegm Obstruction

Clinical manifestations

Shen or spirit low, overweight
w/epilepsy and saliva dripping

Tongue: red w/greasy coat

Pulse: slippery + rapid

Treatment:

Acupuncture

PC-5, BL-15, ST-40, BL-20, BL-21, Ren-12

Avoid cold, damp, greasy foods

Treatment principle

Drain Damp, transform Phlegm, open
Orifices

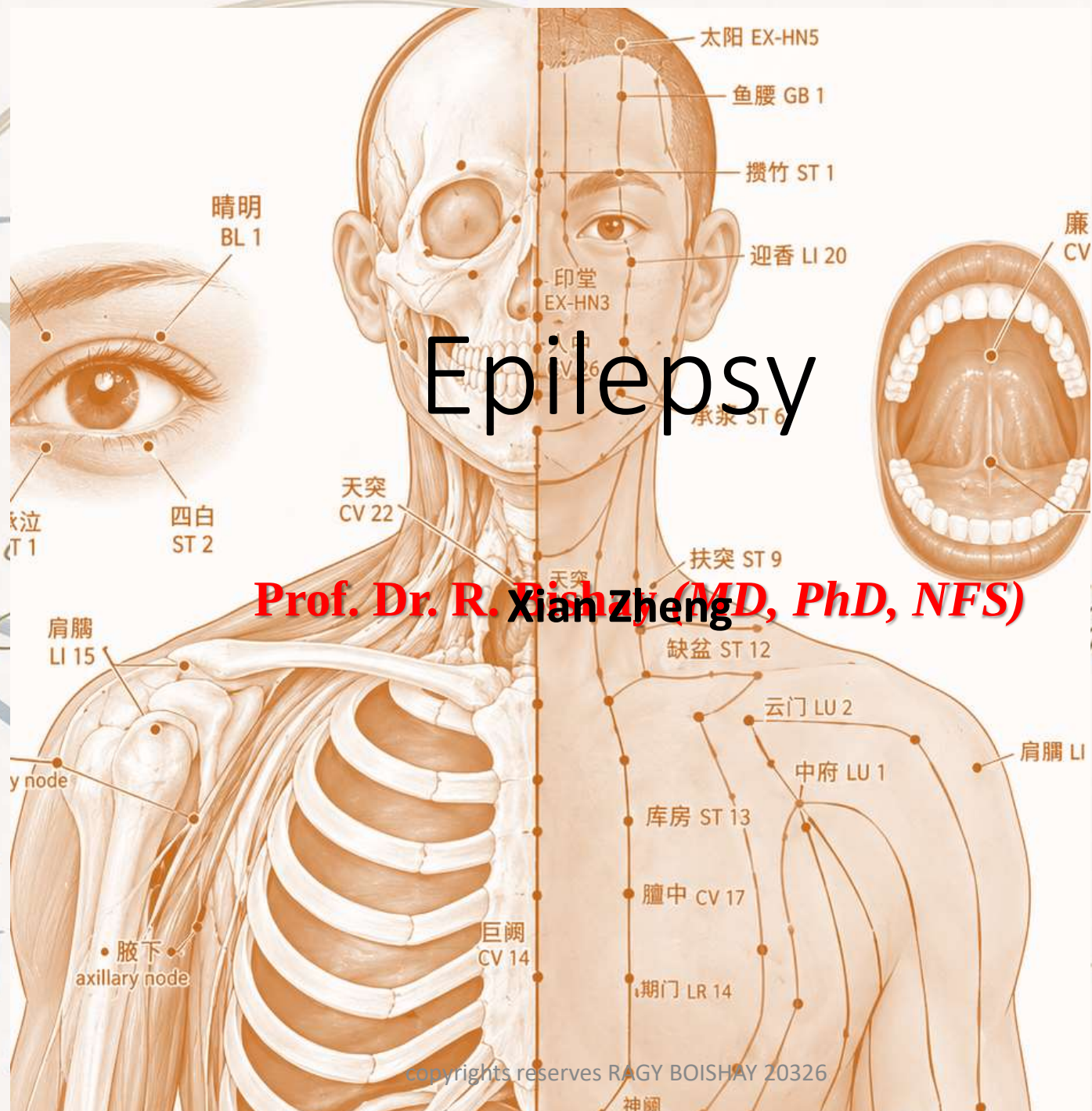
廉
CV

肩髃 L

Prof.



IN
WE



Epilepsy

Prof. Dr. R. Xianzheng (MD, PhD, NFS)



Epilepsy (Xian Zheng)

- Characterized by sudden episodes of **loss of consciousness**, sudden **collapse**, eyes staring upward, **tremors and spasms** of the four limbs, white, saliva drooling from the mouth, urinary incontinence, and possibly incoherent noises
- In China, it is said, that the noises made resemble that of a goat, so, the TCM name for epilepsy is goat epileptic wind
- After a **seizure**, the child may be **drowsy or confused** or may sleep for some time
- **Between episodes**, the child may appear otherwise **healthy**

Prof. Dr. R. Bishay (MB, PhD, NRS)



IN
WE



Epilepsy (Xian Zheng)

- At first, the **episodes are mild**. As the disease **worsens**, the seizures typically become more **severe** and more **frequent**
- In general, epilepsy is associated with **phlegm and wind** in TCM, phlegm may evolve from improper diet and over-feeding
- Because **internal wind** is stirring and **counter flowing of Qi** occurs, frequently **blood stasis** complicates this condition
- In some cases, epilepsy is due to **fetal fright** or fright sustained while in uterus

Prof. Dr. R. Bishay (MD, PhD, NFS)



Epilepsy (Xian Zheng)

- **Key Signs and Symptoms:**

- Temporary loss of consciousness w/foaming at the mouth, upward-staring eyes, clenched jaw, convulsions and maybe squealing, with return to normal after the episode has passed

- **TCM Etiology:**

- Underlying Zheng Qi Def
- Constitutional weakness
- Improper diet (Damp-Phlegm)
- Emotional disturbances

- **TCM Pathology:**

- Wind-phlegm due to def, improper diet, emotional disturbances → Wind-Phlegm stirring upwards

- **Relevant Western Medicine Diseases:**

- Generalized seizures (Grand Mal), Tonic Clonic, Partial seizures, Reflex seizures, Infantile spasms

Prof. Dr. R. Bishay (MD, PhD, NFS)

Pattern Differentiation:

太阳 EX-HN5

鱼腰 GB 1



2. Wind epilepsy

Clinical manifestations

Sudden episodes of spirit-will clouding, clenched teeth, eyes staring upward, spasms and contractions of the hands and feet which are particularly severe, arched back rigidity, crying and shouting, vomiting drool, body hot, spontaneous sweating, a red face

Tongue: normal w/ white coat

Pulse: wiry

Treatment principle

Extinguish wind, relieve spasms

Treatment: Herbs

-Xie Qing Wan Jia Jian (Drain the Green Pills with Additions & Subtractions)

-Qian Jin Long Dan Tang (Thousand [Pieces of] Gold Gentiana Decoction)

Acupuncture

Du-26, LI-4, PC-6, KI-1, BL-62, HT-7, SP-6, LR-3, ST-40, Du-8, GB-34, Du-20

Pattern Differentiation:

太阳 EX-HN5

鱼腰 GB 1



3. Phlegm epilepsy

Clinical manifestations

Habitually there is profuse phlegm. During seizures there is crying and shouting, clouding mind, and loss of consciousness or intelligence, lack of spirit, frothy saliva or vomiting phlegmy fluids, and the sound of phlegm in the throat. Spasms and contractions are **not marked**. The facial complexion is yellow and lusterless

Tongue: thick, white greasy coat

Pulse: wiry and slippery

Treatment principle

Remove phlegm and open the orifices

Treatment: Herbs

-Di Tan Tang (Flush Phlegm Decoction)

-Ding Xian Wan (Stabilize Epilepsy Pills)

Acupuncture

Du-26, LI-4, PC-6, KI-1, BL-62, HT-7, SP-6, LR-3, ST-40, Du-8, GB-34, Du-20

Avoid phlegm-damp forming foods

Pattern Differentiation:

太阳 EX-HN5

鱼腰 GB 1



4. Blood Stasis epilepsy

Clinical manifestations

Habitual headache in a fixed location, crying and shouting, insomnia, restlessness, sudden onset of seizures, loss of consciousness, spasms and contractions of the four limbs, skin colored bluish green and purple or the appearance of static macules

Tongue: purplish, dull or dark w/purple spots

Pulse: choppy

Treatment: Herbs

-Tong Qiao Huo Xue Tang (Open the Portals & Quicken the Blood Decoction)

-Tong Qiao Huo Xue Tang Jia Jian (Open the Portals & Quicken the Blood Decoction with Additions & Subtractions)

Acupuncture

Du-26, LI-4, PC-6, KI-1, BL-62, HT-7, SP-6, LR-3, ST-40, Du-8, GB-34, Du-20, BL-17, SP-10

Treatment principle

Invigorate the blood and transform stasis, open the orifices and stabilize epilepsy

Pattern Differentiation:

太阳 EX-HN5

鱼腰 GB 1

太阳 EX-HN5

鱼腰 GB 1



5. Deficiency damage

Clinical manifestations

The epilepsy is chronic and enduring with repeated seizures. It has lasted for many days without healing. After each episode, there is listlessness of the essence spirit, diminished eating and drinking, lack of strength in the lower limbs, clouding of the head, a lusterless facial complexion

Tongue: light red tongue

Pulse: deep, fine

Treatment: Herbs

-He Che Ba Wei Wan Jia Jian (Placenta Eight Flavors Pills with Additions & Subtractions)

Acupuncture

Du-26, LI-4, PC-6, KI-1, BL-62, HT-7, SP-6, LR-3, Ren-12, ST-36, BL-20, BL-18, BL-15, BL-23

Treatment principle

Mainly supplement and boost the liver and kidney essence and blood, assisted by nourishing the heart and fortifying the spleen

Additional

Acupuncture & moxibustion:

- During an acute seizure, needle Du-26, LI-4, PC-6, Shi Xuan (M-HN-1-5), and/or Ki-1 depending upon the pattern.
- After a seizure, needle Du-14, HT-7, and BL-15 and moxa Du-20 and ST-36, three times one time every other day

Prof. Dr. R. Boishay (MD, PhD, NCS)



IN
WE