



**5th BULGARIAN ACUPUNCTURE CONGRESS  
SOFIA 26 -28 OCTOBER 2012  
VETERINARY ACUPUNCTURE IN HORSE  
PRACTICE**

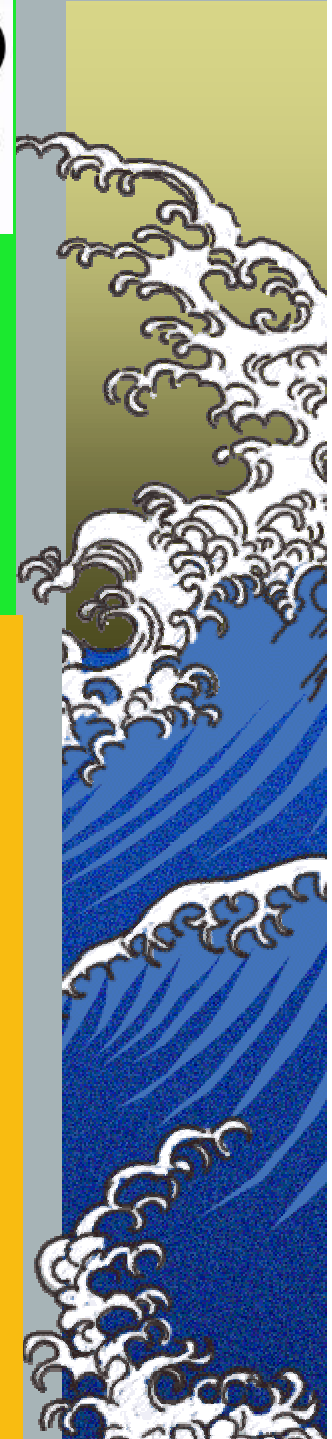
**Francesco LONGO (\*) Margherita GAZZOLA (\*\*)**

**(\*) Veterinary Surgeon, Repr. Spec.  
[longo.agovet@katamail.com](mailto:longo.agovet@katamail.com)**

**(\*\*) Veterinary Surgeon, Anim. Health Spec.  
[marghegaz@yahoo.com](mailto:marghegaz@yahoo.com)**

**ITALIAN VETERINARY ACUPUNCTURE SOCIETY  
ITALIAN VETERINARY ACUPUNCTURE CLINICAL CENTRE**

**[www.siav-itvas.org](http://www.siav-itvas.org)**





# VETERINARY ACUPUNCTURE IN HORSE PRACTICE



**VETERINARY ACUPUNCTURE  
HAS A THOUSAND YEARS  
HISTORY IN TREATING HORSES**



**DURING ZHOU DYNASTY TCVM WAS SEPARATED  
FROM TCM FOR HUMANS: THE FIRST HORSE  
PRACTITIONER WAS ZHAO FU (947 – 928 B.C.)  
THAT DID TREAT HORSES BY ACUPUNCTURE**



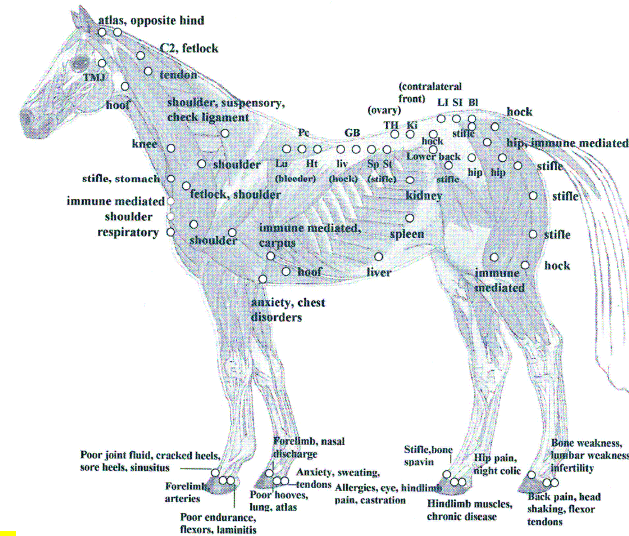


# VETERINARY ACUPUNCTURE IN HORSE PRACTICE



## IN HIPPIATRICS THERE IS A CONSOLIDATED SYSTEM OF DIAGNOSTIC ACUPOINTS

IT IS ESSENTIAL TO FORMULATE A CORRECT ENERGY DIAGNOSIS



### E.C.I.W.O. THEORY

TING POINTS

BEI SHU POINTS

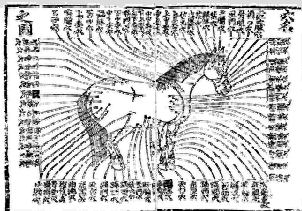
MU POINTS

DIAGNOSTIC SYSTEM

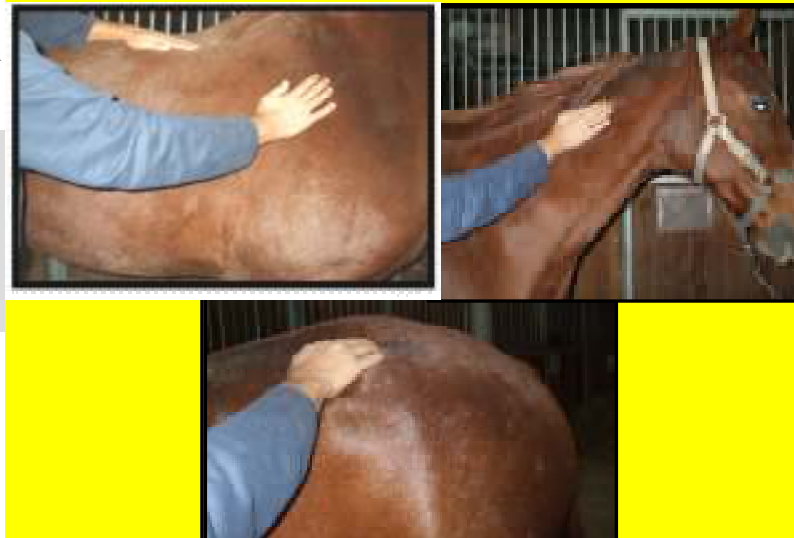
PALPATION EXAM

THERAPEUTIC USE

### POINTS ON THE EAR



### PALPATION EXAM





# **OSTEOMUSCULAR DISEASES BI SYNDROME**

**LOCAL EFFECTS**

**GENERAL EFFECTS**

**ANTALGIC  
ANTI – INFLAMMATORY**

**WELLBEING**



**IMPROVEMENT OF SPORT PERFORMANCE**



# VETERINARY ACUPUNCTURE IN HORSE PRACTICE

## ORTHOPAEDICS



### ORTHOPAEDICS BY ACUPUNCTURE

#### HORSE MOVEMENT

#### HINDLIMB

GV 3 → GB 29 → GB 31 → GB 34 → BL 61 → BL 62 → KI 6  
→ GB 41 → BL 67

#### SPINE

GV 1 → GV 9 → GV 14 → GV 16 → GV 20

#### FORELIMB

SI 10 → LI 11 → LU 7 → TH 5 → SI 3 → SI 1



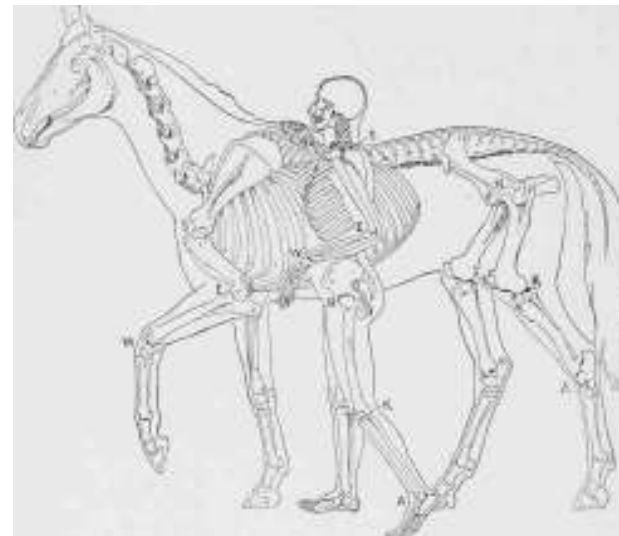
Longo F. (2006)  
DIAGNOSIS and THERAPY of  
ORTHOPAEDICS DISEASES  
IN HORSE;  
1<sup>st</sup> VAM INTERNATIONAL CONGRESS

## ACUPUNCTURE PAIN TREATMENT IN HORSES

Francesco LONGO - Margherita GAZZOLA

### DISEASES

- RECURRENT LAMENESS
- OSTEOARTHRITIS
- NAVICULAR DISEASE
- ACUTE and CHRONIC DORSAL PAIN
- ENDOCRINE SYNDROME
- POSTOPERATIVE PAIN
- MYOFASCIAL PAIN
- VISCERAL PAIN





# STIFLE JOINT DISEASES IN SPORT HORSE: THERAPY BY ACUPUNCTURE



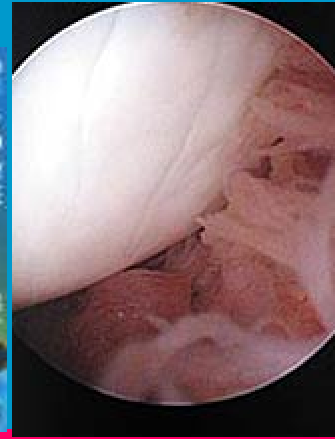
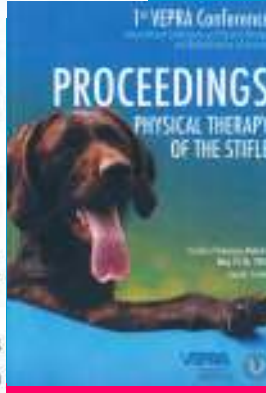
F. Longo <sup>#1</sup>, M. Gazzola <sup>#2</sup>

<sup>1</sup>Veterinary Surgeon, Repr. Spec.  
It.V.A.S. – SIAV

Tel.: 0039/347/1861679  
longo.agovet@katamail.com

<sup>2</sup>Veterinary Surgeon, Anim. Health Spec.  
It.V.A.S. – SIAV

Tel.: 0039/339/5811608  
marghegaz@yahoo.com



## STOMACH MERIDIAN – KIDNEY MERIDIAN FUNCTIONAL INVOLVEMENT

### LOCAL THERAPY

#### *BIAO*

**GB 34 (YANGLINGQUAN)**

**ST 35 (DUBI)**

**ST 36 (ZUSANLI)**

**BL 40 (WEIZHONG)**

**ST 30 (QICHONG)**

**LV 3 (TAICHONG)**

**LV 8 (QUQUAN)**

**SP 10 (XUEHAI)**

**KI 10 (YINGU)**



### GENERAL THERAPY

#### *BEN*

**BL 21 (WEISHU)**

**CV 12 (ZHONGWAN)**

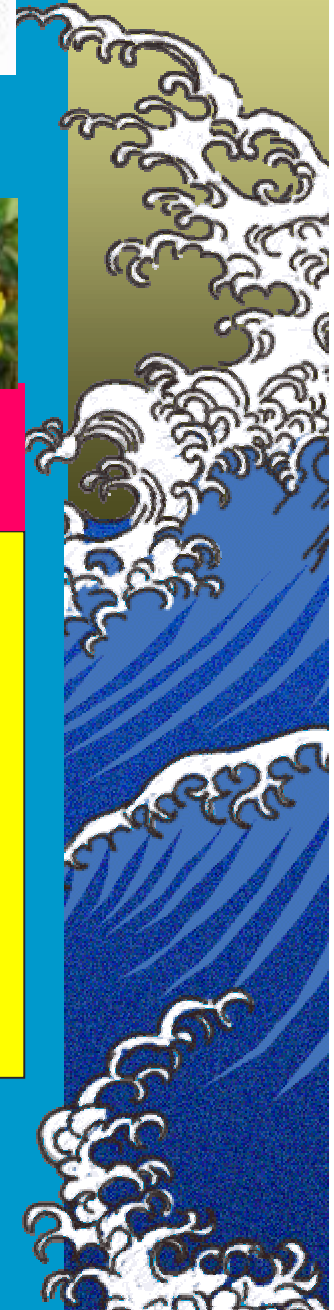
**ST 40 (FENGLONG)**

**SI 3 (HOXI)**

**BL 62 (SHENMAI)**

**BL 59 (FUYANG)**

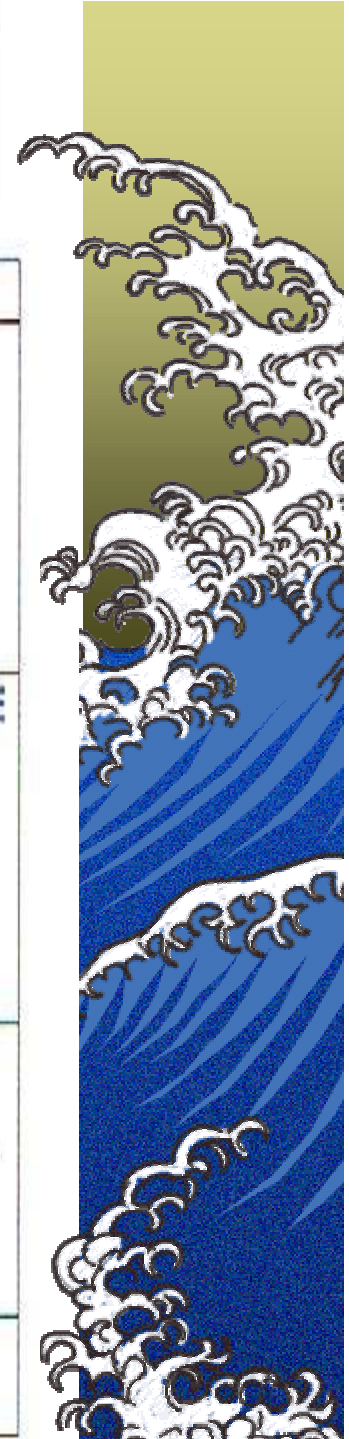
**2 – 3 ACUPUNCTURE SESSIONS  
A 5 – 7 DAYS INTERVAL**





## PAIN THERAPY BY ACUPUNCTURE IN SPORT HORSES

F. Longo – M. Gazzola



**THE AUTHORS HAVE ASSESSED THE EFFECTIVENESS OF EACH WAY OF STIMULATING THE ACUPOINTS FOR SOME OF PAIN CLINICAL CONDITIONS IN HORSE**



CLINICAL METHODOLOGY	EFFECTIVENESS
ELECTROACUPUNCTURE	IS MORE EFFECTIVE IN TREATING ACUTE CONDITIONS IT INDUCES THE PAIN DISAPPEARANCE QUICKLY BUT ANTALGIC EFFECT HAS AVERAGE LENGTH
HYDROACUPUNCTURE / HAEMOACUPUNCTURE	PRODUCES A GOOD LEVEL OF MUSCLE RELAXATION AND IMPROVE THE METABOLIC CAPACITIES IN COMPETITION HORSES: IT IS THE BEST TECHNIQUE TO INCREASE THE SPORT PERFORMANCE
TRADITIONAL ACUPUNCTURE	PROMOTES AN ANALGESIC LEVEL MORE SLOWLY BUT MORE PROLONGED IN LENGTH BESIDES IT INDUCES MANIFEST EFFECTS ON ORGANIC METABOLISM
LASERPUNCTURE	DETERMINES EFFECTS LIKE THE TRADITIONAL ACUPUNCTURE



S.I.A.V. It.V.A.S.

Società Italiana  
Agopuntura Veterinaria



Italian Veterinary  
Acupuncture Society



# Terapia del dolore mediante agopuntura nel cavallo atleta

Margherita GAZZOLA (\*) – Francesco LONGO (\*\*)

(\*) Medico Veterinario  
Specialista in Fisiologia e Fisiopatologia  
Esperto in F.M.C. ed Agopuntura Veterinaria  
Società Italiana Agopuntura Veterinaria  
Pavia  
Tel. 0323239911/3038



(\*\*) Medico Veterinario  
Specialista in Fisiopatologia della Riproduzione  
Esperto in F.M.C. ed Agopuntura Veterinaria  
Società Italiana Agopuntura Veterinaria  
Bologna  
Tel. 051/2641100/1070

## INTRODUZIONE

Il dolore e la sofferenza condizionano negativamente l'attività sportiva e la qualità di vita del cavallo. La Medicina Veterinaria Tradizionale Cinese (MTC) offre una serie di metodologie cliniche valide al trattamento del dolore. La selezione terapeutica degli agopunti avviene sia sulla base delle loro indicazioni empiriche tradizionali, sia sulle evidenze sperimentali. L'azione che essi esplicano è differente a differenti livelli: attività analgesica, antinfiammatoria, neuroendocrina, immunomodulatrice in un sistema integrato che include proprio risposte farmacologiche. Correzione di alterazioni e stimolazione degli agopunti, con aghi, laser, elettroagopuntura, elettroacupuntura, laseracupuntura.

## PATOLOGIE

La scelta viene infatti valutata l'efficacia di ciascuna modalità di stimolazione degli agopunti rispetto alle diverse condizioni cliniche.



PATOLOGIA	METODOLOGIA CLINICA	AGOPUNTI
Zoppie Recidivanti	Agopuntura Tradizionale	Heiguan - Hualu
Dolore artrosi	Agopuntura Tradizionale	Dahu - Huanhuan
Sindrome Navicolare	Agopuntura Tradizionale Elettroagopuntura Laseracupuntura	Qian Ti Men - Ming Tang Modificazioni Cortisolo Etilengeni
Dermatite Anale e Cronica	Traito Cervicale Agopuntura Tradizionale	Jiu Wei
	Traito Toracico Agopuntura Tradizionale Elettroagopuntura	Punti di Du Mai - Hebio Jiaji
	Traito Lombare Agopuntura Tradizionale Elettroagopuntura	Wei Zhong, Wu Shu, Yang Ling Quan, Ming Men, Guan Yuan
Sindrome Endocrina	Traito Cervicale Agopuntura Tradizionale	Zao Bai Hai - Shang Luo, Ci Luo - Jiao Luo - Xia Luo
	Traito Coccyge Agopuntura Tradizionale	Wei Gen - Wei Ben - Wei Jian
Sindrome Endocrina	Agopuntura Tradizionale Elettroagopuntura Idroagopuntura	Shenshu - Jingshen - Mingmen - Yangchi - Huangren - Jingsong - Zhuyao
Dolore Post-Chirurgico e Dolore Viscerale	Agopuntura Tradizionale Elettroagopuntura	Punti Distali e Locali (Tecnica Lun Huan Chiao Ti Fa)
Dolore Riferenziale	Agopuntura Tradizionale Elettroagopuntura Idroagopuntura	Punti Ah Shi Trigger Points Bei Shu

## CONCLUSIONI

In base alle esperienze cliniche è possibile affermare che:

- L'**Elettroagopuntura** è valida efficace nel ridurre le condizioni acute, essa induce una rapida scomparsa del dolore, ma ha un effetto analgesico di media durata
- L'**Idroagopuntura** produce un buon livello di rilassamento muscolare e migliora le capacità metaboliche nei cavalli da scampetto; risulta essere la tecnica migliore per evitare le performance sportive
- L'**Agopuntura Tradizionale** produce un livello analgesico più lento, ma più prolungato nel tempo, induce inoltre evidenti effetti sul metabolismo organico
- La **Laseracupuntura** genera effetti simili all'agopuntura tradizionale

Indipendentemente dalla tecnica applicata, è evidente l'efficacia dell'agopuntura ha un rilevante effetto antistress, effetto locale analgesico ed antinfiammatorio, corrisponde un positivo effetto sulle funzioni biologiche dell'organismo, l'agopuntura assicura il completo benessere del cavallo ed agisce sull'equilibrio globale del corpo trattando anche "disturbi" efficaci.

LASERPUNTA SCHEMA DEI TRATTAMENTI ANTISTRESS NEL CAVALLO					
	Punti Iniziali	Sorgente	Frequenza	Data Anno	Settimane
Nervosismo	Tecnica Lun Huan Chiao Ti Fa	☉	5000 1168	2 Anno 2 8 Anno 2	7
	Tecnica Lun Huan Chiao Ti Fa	☉	5000 1168	2 Anno 2 8 Anno 2	7
Tensione cronica	Tianhu	☉	1500	2 Anno 2	8
	Shaoze	☉	1168	2 Anno 2	8
	Biangang	☉	1168	2 Anno 2	8
	Zhongzhong	☉	1168	2 Anno 2	8
Sindrome postoperatoria	Guanchong	☉	1168	2 Anno 2	8
	Localmente area interna alla sutura (e 4 punti)	☉	1168 1168	2 Anno 2 2 Anno 2	8
	Shaoze	☉	1168	2 Anno 2	8
	Biangang	☉	1168	2 Anno 2	8
	Zhongzhong	☉	1168	2 Anno 2	8

## BIBLIOGRAFIA

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- Longo F., Canavese E., Gianni D. B. (2011) Effetti antistress dell'agopuntura nel cavallo; in Longo F. Agopuntura Veterinaria - Evoluzione Clinica; Ed. ITI 2010, Lavagna (MI)
- Canavese E., Gianni D., Longo F. (2011) Produzione di cortisolo endogeno mediante l'impiego della laseracupuntura; Rivista Italiana di Medicina Tradizionale Cinese n. 36 - 34 ottobre - dicembre 2011, Castelnuovo (MI)
- Longo F. (2008) Diagnosi e terapia delle patologie infettive nel cavallo; in AA del I Congresso I.V.A.M. 25 - 30/09 - 1/10/2008, Ravenna
- Longo F. (2007) Gestione della riproduzione equina mediante agopuntura; in AA del I Congresso I.V.A.M. 25 - 30/09 2007, Nov
- May G., Longo F. (2011) Il trattamento delle fobie mediante agopuntura; in AA del workshop United One e memorie del dibattito e proposte per il futuro; il congresso A.I.U.C. Laboratorio United One, 17 Aprile 2011, Padova
- Longo F. (2009) Te. Yang e Du Mai - movimento e rete nel cavallo; in AA del I Congresso I.V.A.M. 25 - 27 Aprile 2008, Milano

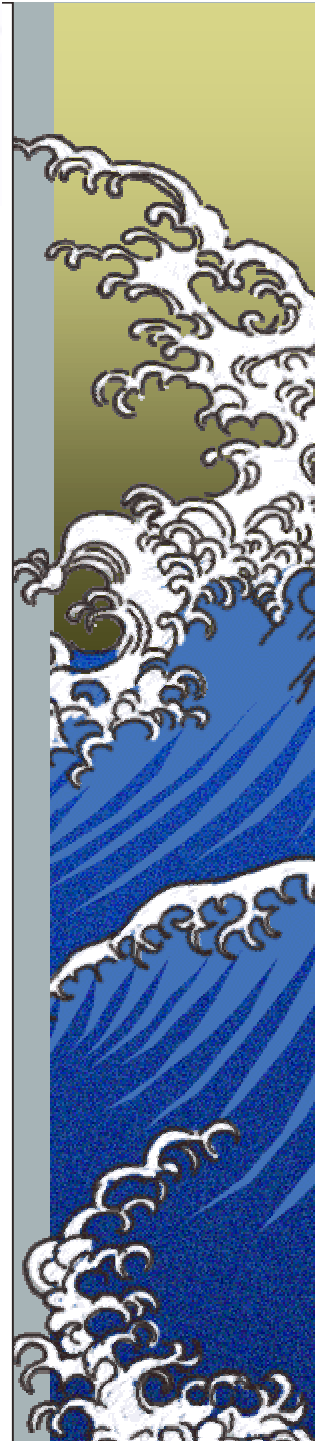
# PAIN AND SUFFERING HAVE A NEGATIVE IMPACT IN HORSE'S PERFORMANCE and QUALITY OF LIFE



IT IS VERY  
SIGNIFICANT THAT  
ACUPUNCTURE HAS  
A  
RELEVANT  
ANTI – STRESS EFFECT:  
AT THE LOCAL  
ANTALGIC and  
ANTI-INFLAMMATORY  
ACTION CORRESPONDS A  
GENERAL EFFECT ON  
BIOLOGIC FUNCTIONS

↓

ACUPUNCTURE RESULTS  
"NATURALLY"  
EFFECTIVE



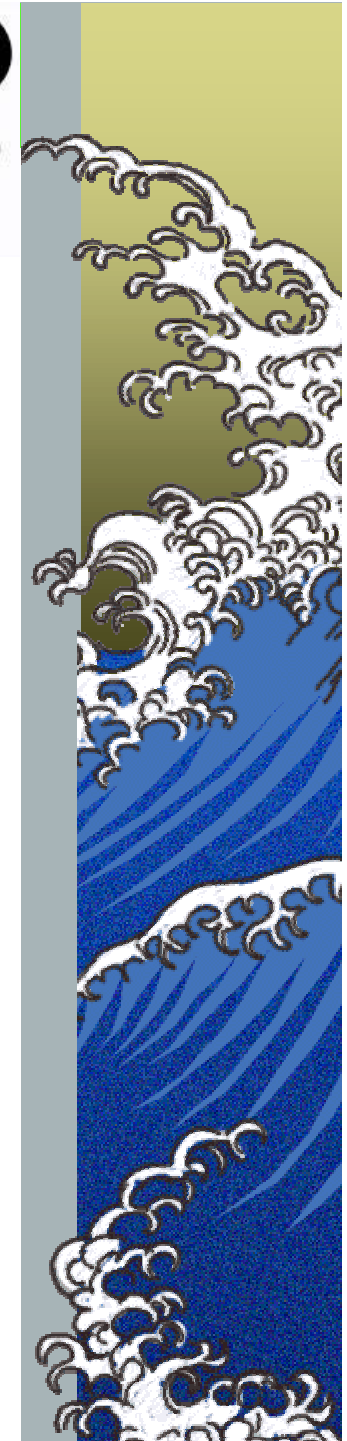




# VETERINARY ACUPUNCTURE IN HORSE PRACTICE



## ITALIAN VETERINARY ACUPUNCTURE CLINICAL CENTER BOLOGNA - ITALY



# VETERINARY ACUPUNCTURE IN HORSE PRACTICE

## C.O.P.D. CHUAN

**ASTHMA  
LUNG DEFICIENCY**



**BL 13 (FEISHU)  
LU 1 (ZHONGFU)  
LU 7 (LIEQUE)  
KI 6 (ZHAOHAI)  
CV 17 (SHANZHONG)  
YIN TANG**

**ASTHMA  
KIDNEY DEFICIENCY**



**BL 23 (SHENSHU)  
BL 13 (FEISHU)  
LU 9 (TAIYUAN)  
KI 3 (TAIXI)  
CV 17 (SHANZHONG)**

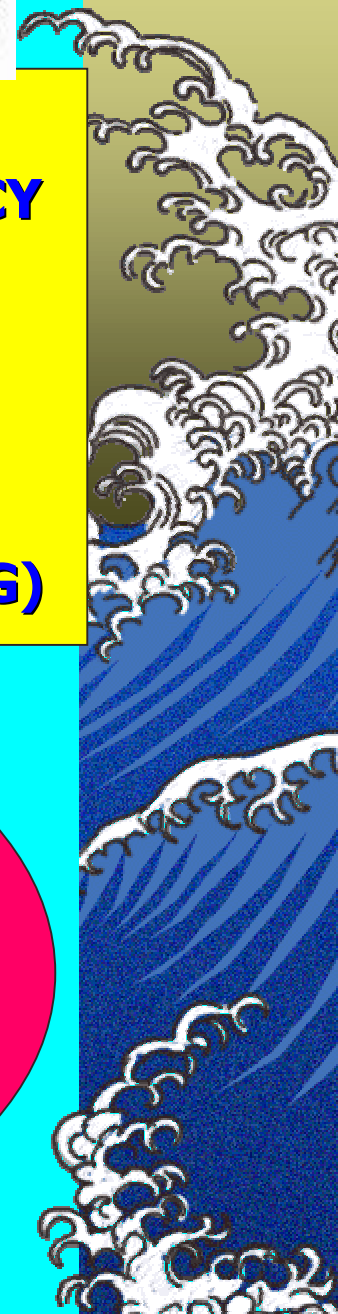
**HEAT ASTHMA  
ACUTE PATTERN**



**PC 6 (NEIGUAN)  
CV 17 (SHANZHONG)  
CV 23 (LIANQUAN)  
LI 20 (YINGXIAN)  
LU 11 (SHAOSHANG)**



**Longo F. (2001)  
HORSE RESPIRATORY SYNDROMS;  
Italian Journal of TCM**



# VETERINARY ACUPUNCTURE IN HORSE PRACTICE



## MELANOMA

LR 1 (*Dadun*)



GV 20 (*Baihui*)

BL 20 (*Pishu*)

LR 13 (*Zangmen*)

CV 12 (*Zhongwan*)

CV 7 (*Yinjiao*)

Longo F. (2008)  
TAI YANG and DU MAI:  
SKIN and MOVEMENT  
IN THE HORSE

3rd VAM

INTERNATIONAL  
CONGRESS

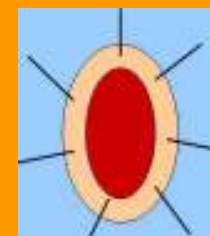
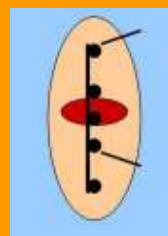


## HORSE DERMATOLOGY

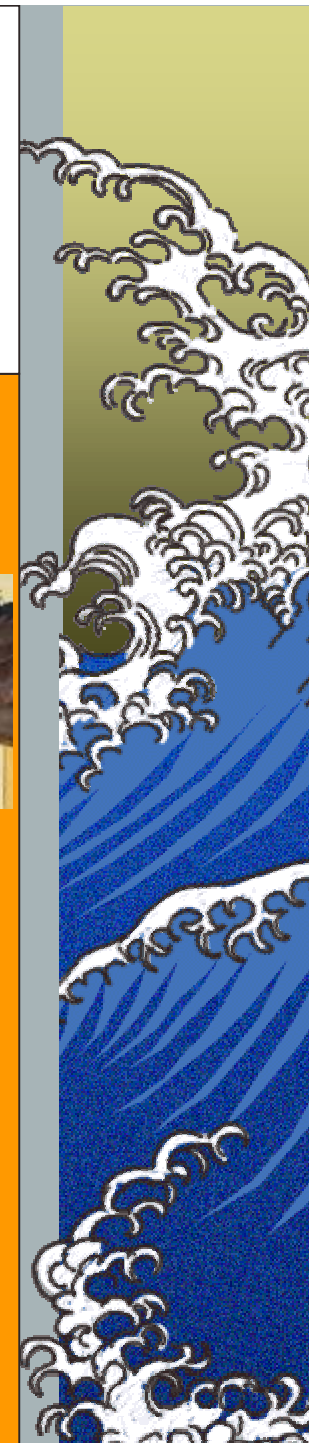
### DERMATITIS



### LUN HUAN CHIAO TI FA



Mayr G. - Longo F. (2010)  
WOUND HEALING BY ACUPUNCTURE  
WOUND CARE IN VETERINARY  
MEDICINE - WORKSHOP





# VETERINARY ACUPUNCTURE IN HORSE PRACTICE



## GASTROENTERIC DISEASES

### TAI YANG SYNDROME

**BL 1 (JINGMING)**  
**BL 67 (ZHIYANG)**



**HAEMOACUPUNCTURE** → **BL 27 (XIAOCHANGSHU)**  
**BL 39 (WEIYANG)**

### YANG MING SYNDROME



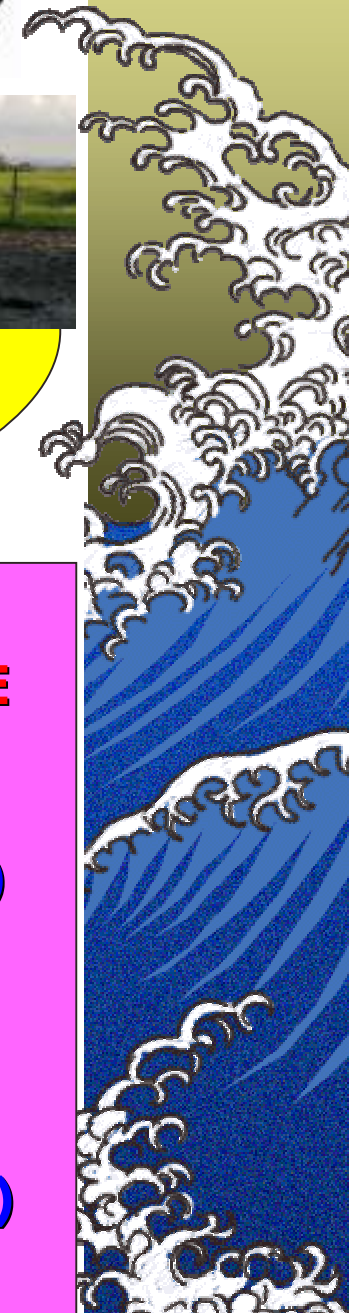
**ST 3 (JULIAO)**  
**ST 36 (ZUSANLI)**  
**ST 37 (SHANGJUXU)**  
**LI 4 (HEGU)**  
**LI 11 (QUCHI)**  
**ST 1 (CHENGQI) – ST 45 (LIDUI)**

### TAI YIN SYNDROME

**BL 20 (PISHU)**  
**LR 13 (ZHANGMEN)**  
**ST 40 (FENGLONG)**  
**SP 4 (GONGSUN)**

**SP1 (YINBAI)**  
**CV 12 (ZHONGWAN)**

Longo F. (2006)  
MAIN PATHOLOGIES BY FEEDING CAUSES  
IN THE HORSE: DIAGNOSIS and THERAPY IN TCM





# GERIATRICS



## ISSUES



- OSTEOARTHRITIS
- MUSCLE HYPOTONIA
- FOOT PROBLEMS
- C.O.P.D.
- COLICS
- MALABSORPTION
- HORMONE DISORDERS



## AGEING



PHYSIOLOGICAL DECLINE of *JING*



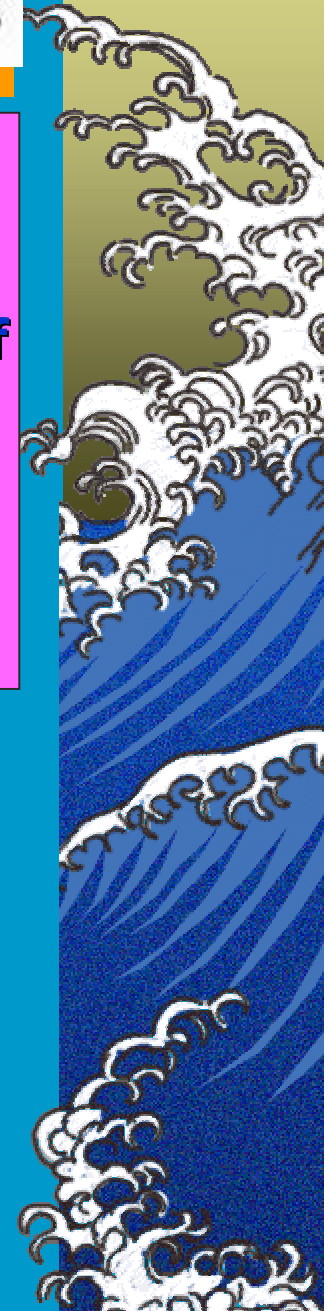
YANG KIDNEY DEFICIENCY  
JING KIDNEY DEFICIENCY



**IMPROVEMENT OF  
LIFE QUALITY  
OF THE AGEING HORSE**

**GV 4 (MINGMEN)  
CV 4 (GUANYUAN)  
TH 4 (YANGCHI)**

**Gazzola M. (2007)  
ACUPUNCTURE EMPLOYMENT  
IN HORSE GERIATRICS**





# NEUROLOGY

ISSUES



EXTERNAL HEAT



YIN LIVER DEFICIENCY with  
YANG LIVER ESCAPE



- LV 8 (QUQUAN)
- GB 20 (FENGCHI)
- GV 20 (BAIHUI)
- GV16 (FENGFU)
- LV 13 (ZHANGMEN)
- LV 3 (TAICHONG)
- BL 18 (GANSHU)

BLOOD LIVER DEFICIENCY

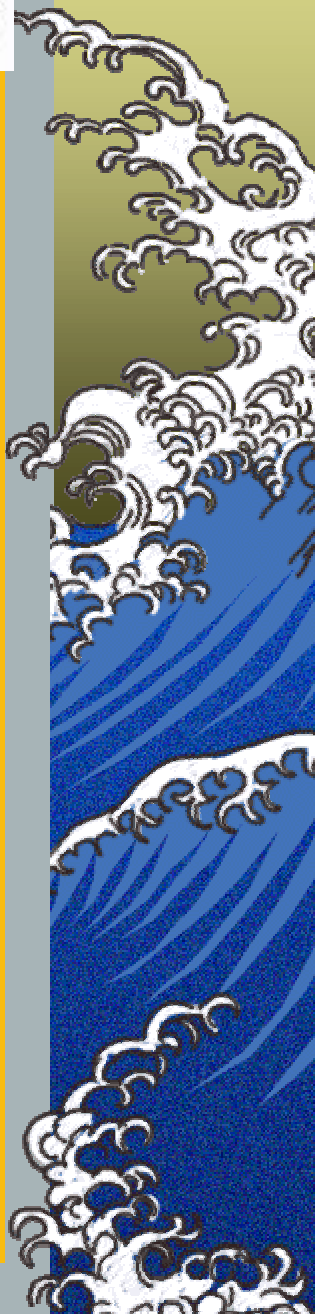
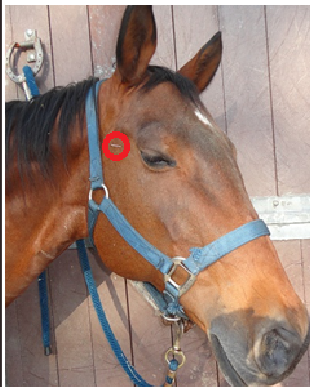
Gazzola M. (2010)  
**TREMORS and INVOLUNTARY  
 MOVEMENTS:  
 INTERPRETATION  
 ACCORDING TCM**  
*10th ItVAS  
 INTERNATIONAL  
 CONGRESS*

**TAI YANG**  
**IF JING SHEN IS ACTIVATED,  
 MOVEMENTS BECOME NATURAL**

*Yang Chen'g Fu*

Longo F. (2010)  
**CLINICAL EMPLOYMENT  
 OF ACUPOINT TAI YANG  
 IN EQUINE NEUROLOGY**

*10th ItVAS  
 INTERNATIONAL  
 CONGRESS*



# VETERINARY ACUPUNCTURE IN HORSE PRACTICE

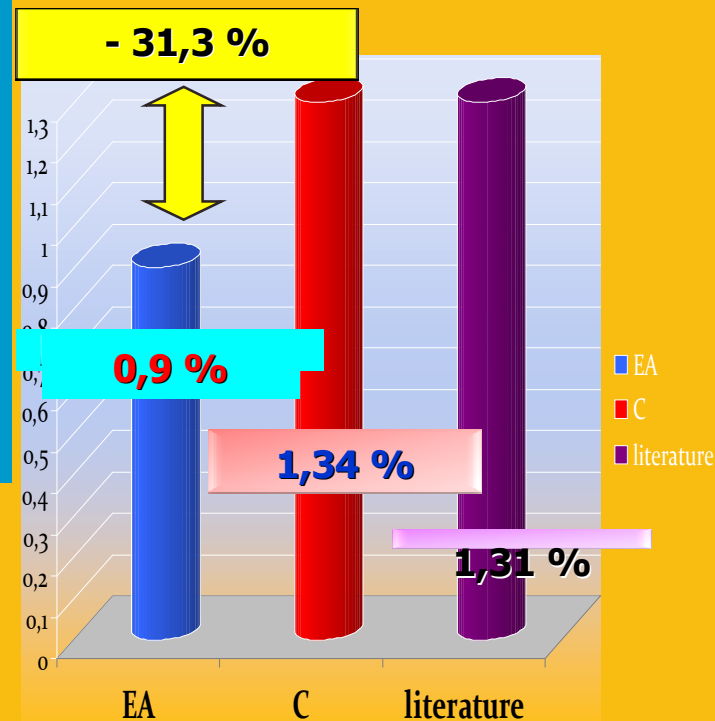


## SURGICAL ANALGESIA



**GV 1 - YAO BAI HUI**  
**GV 6 – GV 8**  
**GV 11 – GV 12**  
**ST 36**  
**LI 4 - PC 6**

## SURGICAL ANALGESIA



## ELECTROSTIMULATION

**20 Hz - CONTINUOUS WAVE - 30 MINUTES**

## ISF MAC:

**HIGH SIGNIFICANT DIFFERENCES**  
**p < 0,000**

Romanò L. - Ravasio G. - Longo F. (2012):  
Horse Anesthesia by Traditional Acupuncture  
38th IVAS CONGRESS - 2012

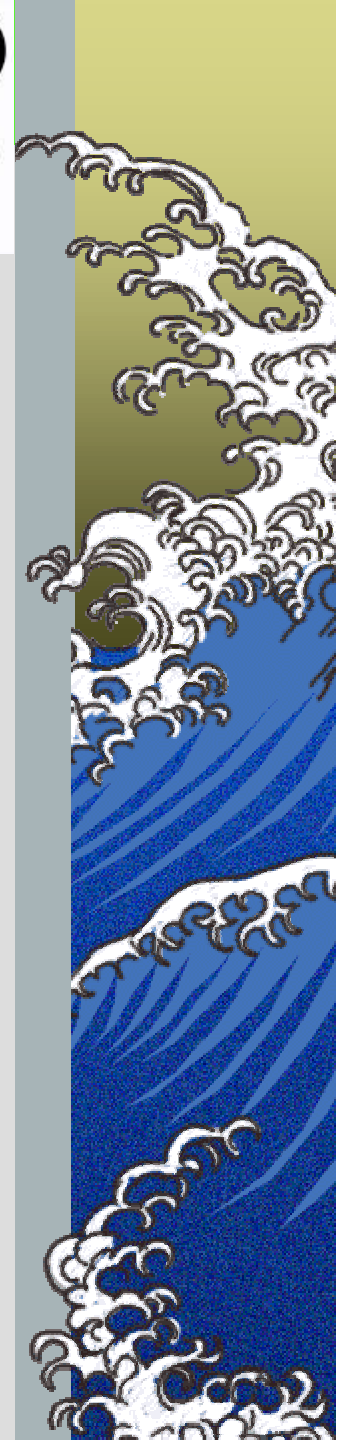




# VETERINARY ACUPUNCTURE IN HORSE PRACTICE



## ITALIAN VETERINARY ACUPUNCTURE CLINICAL CENTER BOLOGNA - ITALY



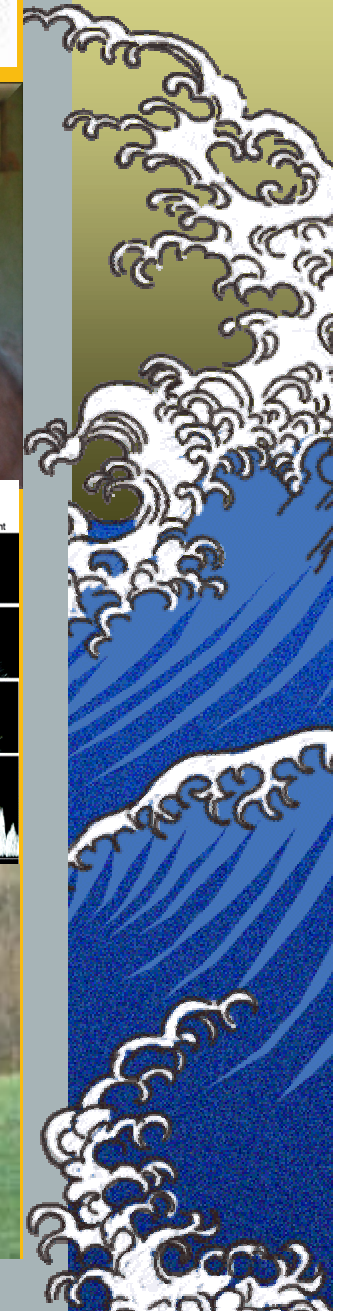




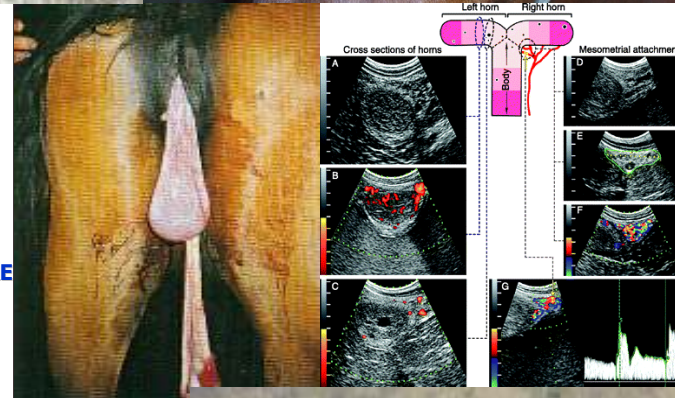
# VETERINARY ACUPUNCTURE IN HORSE PRACTICE



## REPRODUCTION



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**ACUPUNCTURE IN ANIMAL REPRODUCTION**
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**EQUINE REPRODUKTION AUS SICHT DER TCM**  
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**ACUPUNCTURE TREATMENT IN PERSISTING MATING**  
**INDUCED ENDOMETRITIS (PMIE) IN THE MARE**  
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- Longo F. (2000):  
**UTERUS and OVARIAN DISEASES IN THE MARE: ACUPUNCTURE THERAPY**





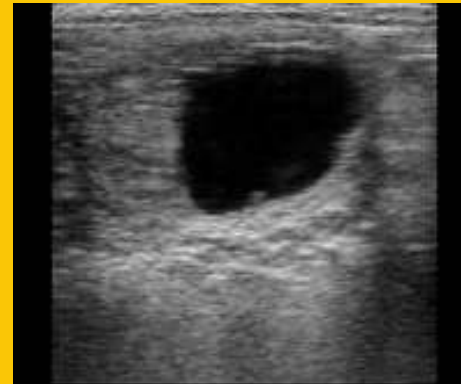
# TCVM IN EQUINE PRACTICE

## REPRODUCTION



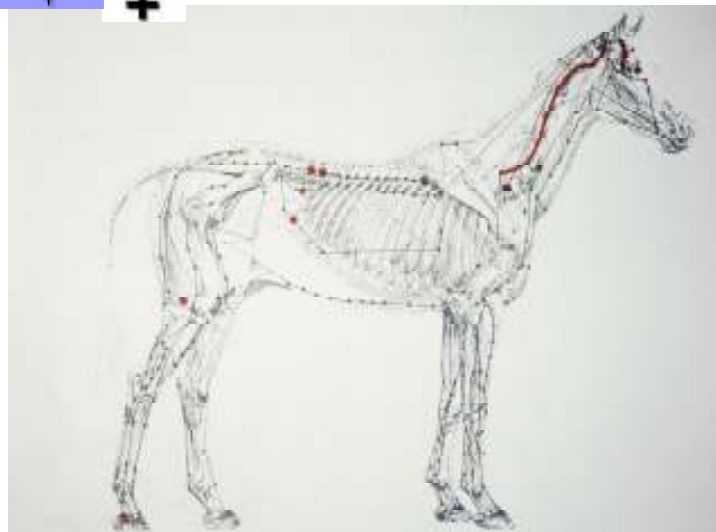
- **PERSISTENT WINTER ANESTRUS**
- **PERSISTENT SPRING TRANSITION**
- **ENDOMETRITIS**
- **ENDOMETRIOSIS**
- **ENDOCRINE SYNDROME**
  - **PREGNANCY**
- **ABORTION**
  - **PARTURITION**
  - **PLACENTA EXPULSION**
- **PLACENTA RETENTION**
  - **LACTATION**
- **AGALACTIA - HYPOGALACTIA**

胞

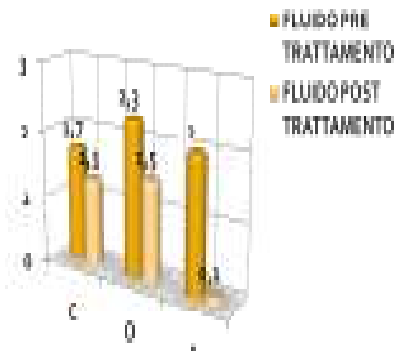


# VETERINARY ACUPUNCTURE IN HORSE PRACTICE

## REPRODUCTION ENDOCRINE SYNDROME

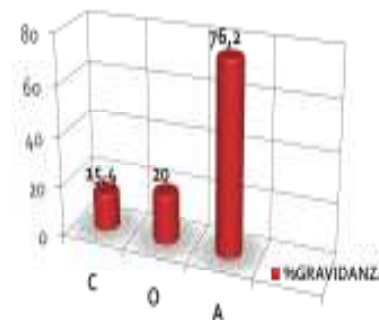


## ENDOMETRITIS - PMIE



TRATTAMENTO	FLUIDO PRE TRATTAMENTO	FLUIDO POST TRATTAMENTO
Controllo (C)	17.04	13.60*
Shenmen (S)	16.74*	14.14*
Agopuntura (A)	20.20*	8.10.5*

## % GRAVIDANZA A 15 GIORNI



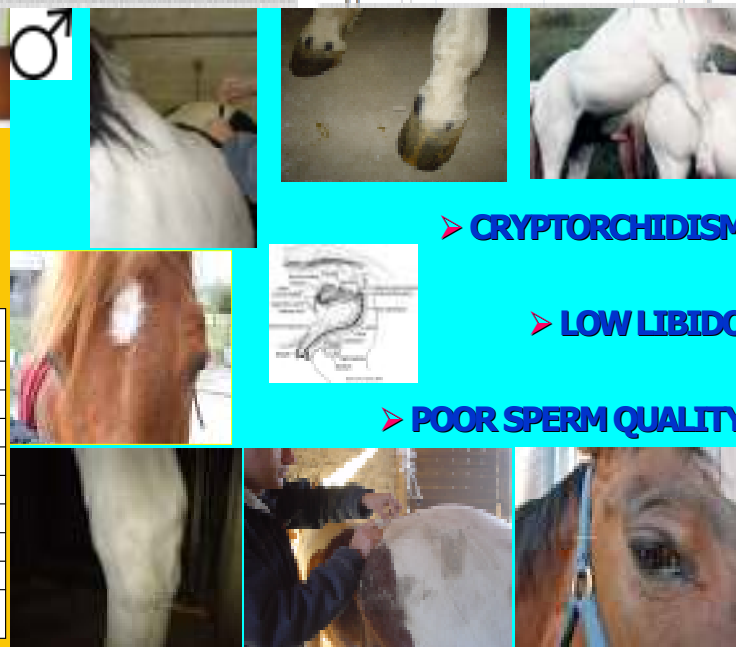
TRATTAMENTO	N° CAVALLE	N° CICLI	GRAVIDANZE (%)
Controllo (C)	10	13	23.1%
Oncoxia (O)	19	25	52.6%
Agopuntura (A)	20	21	75.2%

## INDUCTION OF OVULATION IN THE MARE BY ELECTROACUPUNCTURE

**ELECTROSTIMULATION**  
5 MHz - CONTINUOUS WAVES  
0,2 - 10 Amp  
15 MINUTES

**ACUPOINTS:**  
HUANGMEN  
DAIMAI  
SHENSHU  
GUANYUAN

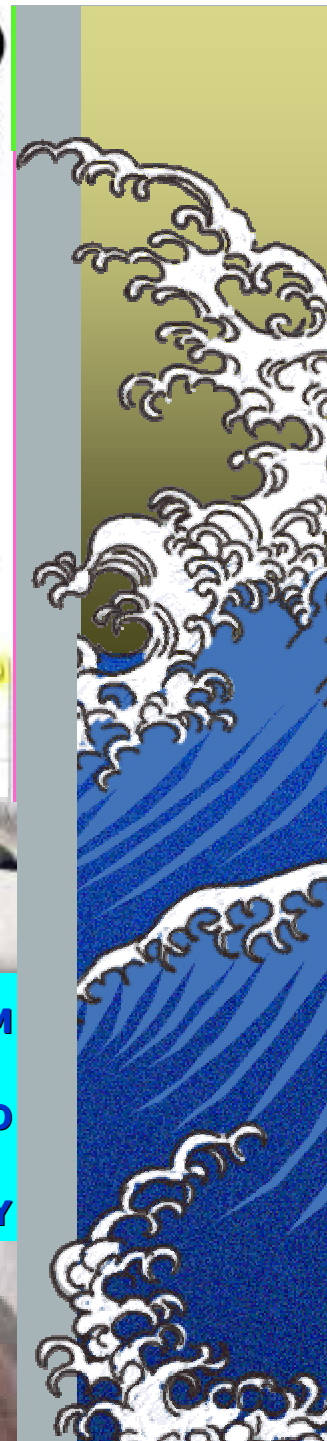
MARE	CONTROL GROUP	hCG	ACUPUNCTURE GROUP 1	ACUPUNCTURE GROUP 2
1	96	42	120	72
2	72	24	96	96
3	24	72	24	-
4	48	24	24	-
5	72	48	24	-
6	48	48	24	-
7	72	48	24	-
8	96	24	48	120
<b>TOTALS</b>	<b>66.0±24.8 HOURS</b>	<b>41.4±16.8 HOURS</b>	<b>57.0±46.1 HOURS</b>	<b>96.0±24.0 HOURS</b>



> CRYPTORCHIDISM

> LOW LIBIDO

> POOR SPERM QUALITY





# VETERINARY ACUPUNCTURE IN HORSE PRACTICE



## ITALIAN VETERINARY ACUPUNCTURE CLINICAL CENTER BOLOGNA - ITALY





# VETERINARY ACUPUNCTURE IN HORSE PRACTICE

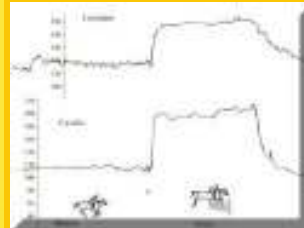


## ENVIRONMENT

□ θοος



**WHERE IN THE WORLD TAO IS APPLIED  
THE HORSES MANURE THE FIELDS  
Tao Tê Jing**



## OWNER

## (ACUVET) VETERINARIAN





# VETERINARY ACUPUNCTURE IN HORSE PRACTICE



## THE TRUE THERAPY IS THE PREVENTION

### ➤ *FUNCTIONAL GYMNASTICS*



### ➤ FEEDING





**5th BULGARIAN ACUPUNCTURE CONGRESS  
SOFIA 26 - 28 OCTOBER 2012  
VETERINARY ACUPUNCTURE IN HORSE PRACTICE**

**Francesco LONGO - Margherita GAZZOLA**

***Много  
благодаря!!***



**[www.siav-itvas.org](http://www.siav-itvas.org)**

