

AUA-2017 MAY 12-16 boston

World Chinese Urological Society (WCUS) International Society

Holistic Approach by Bio-Psycho-Social model to Patients with Interstitial Cystitis / **Bladder Pain Syndrome**



Friday, May 12
② 1:43 PM - 1:51 PM
V Location: BCEC: Room 104





Holistic Approach by Bio-Psycho-Social model to Patients with **Interstitial Cystitis / Bladder Pain Syndrome**

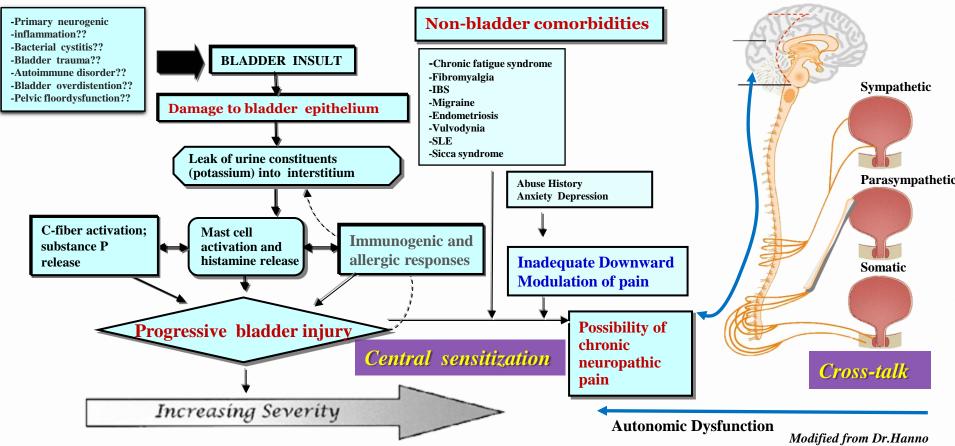
Ming-Huei Lee, M.D., M.H.A

¹Department of Urology, Feng-Yuan Hospital, Department of Health, Taiwan ²Central Taiwan University of Science and Technology, Taiwan



Hypothesis of etiology in IC/BPS

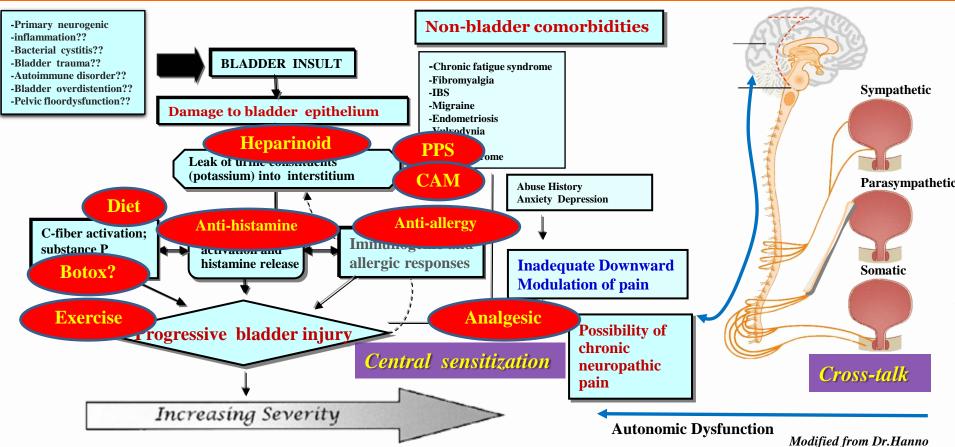


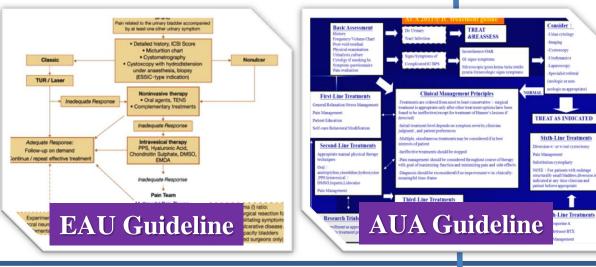


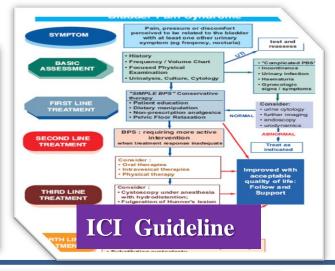


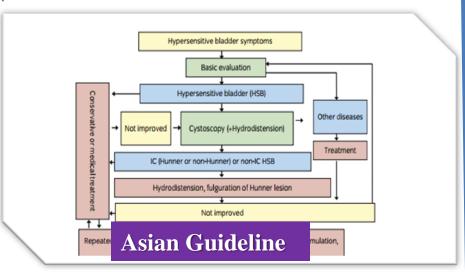
Management algorithm of IC/BPS

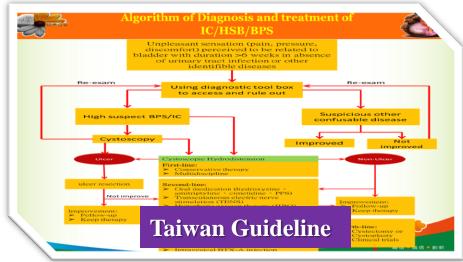














Principles of management for IC/BPS





History/Initial Assessment

- •History •Focus physical examination •Voiding diary
- •Questionnaire •Urinalysis •Cystoscopy



Initial Treatment(Conservative)

- •Patient education •Dietary manipulation
- •Nonprescription analgesics •Pelvic floor relaxation



Secondary Assessment & Treatment

- •Urodynamics •Cystodilation •CAM
- •UB Bx Intravesical MX



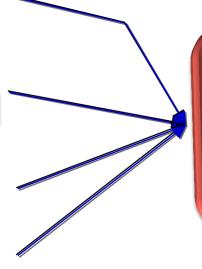
Refractory IC

- •Neuromodulation •Pain clinic referral (Narcotic)
- •Experiment protocal



Last Resort

•Cystoplasty •Diversion C/S cystectory



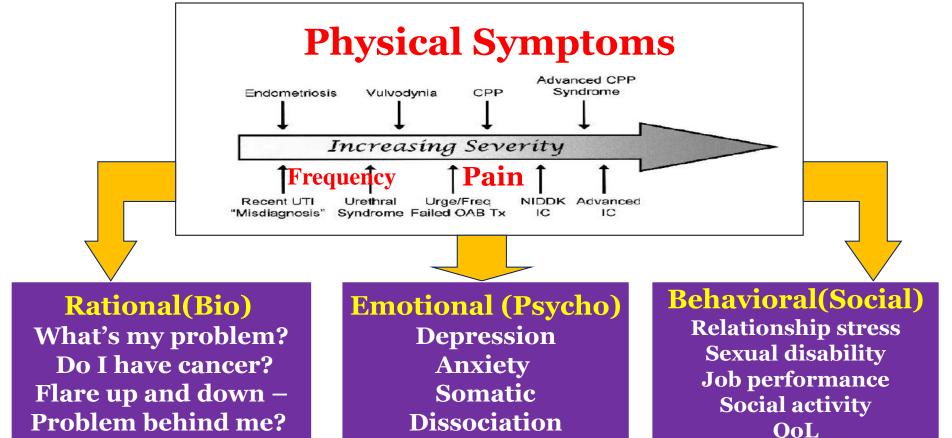
Improved with acceptable quality of life:

- -Follow up
- -Support



What drives IC/BPS patients to search for treatment? (patient's view)







The Goal of management IC/BPS from patient's perspective



The Goal of Patient's Perspectives Cure the disease!!

•Rational (Bio)

-What's my problem? - Do I have cancer?

- Flare up and down - Problem behind me?

•Emotional (Psycho)

-Depression -Anxiety

-Somatic -Dissociation

•Behavioral (Social)

-Relationship stress -Sexual disability

-Job performance -Social activity

-QoL

Review Article

Patient-centred standardization in interstitial cystitis/bladder pain syndrome—a PLEA

Jane M. Meijlink

International Painful Bladder Foundation, Rotterdam, the Netherlands

*Correspondence to: Jane M. Meijlink. International Painful Bladder Foundation, Rotterdam, the Netherlands. Email: jane-m@dds.nl

Review Article

A multidisciplinary approach to the evaluation and management of interstitial cystitis/bladder pain syndrome: an ideal model of care

Priyanka Gupta¹, Natalie Gaines¹, Larry T. Sirls^{1,2}, Kenneth M. Peters^{1,2}

Review Article

Complementary and alternative medical therapies for interstitial cystitis: an update from the United States

Megan Danielle Atchley¹, Nima M. Shah², Kristene E. Whitmore³



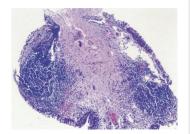
Aspects of effect of urinary bladder and nonbladder on IC/BPS patient (physician's view)





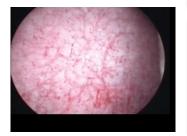
Patient's own perception

- -Symptom scores
- -different from physician's perceptions



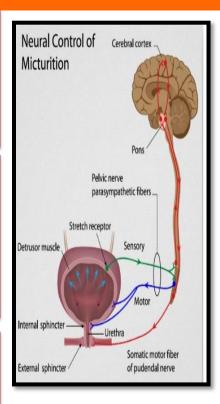
Disease Damage

- -Accumulated over time due to disease itself, or combined conditions
- -Results of therapy
- -Irreversible change in anatomy, physiology or function



Disease activity

- -provoked by potential factors
- -potentially reversible with treatment



FSSs

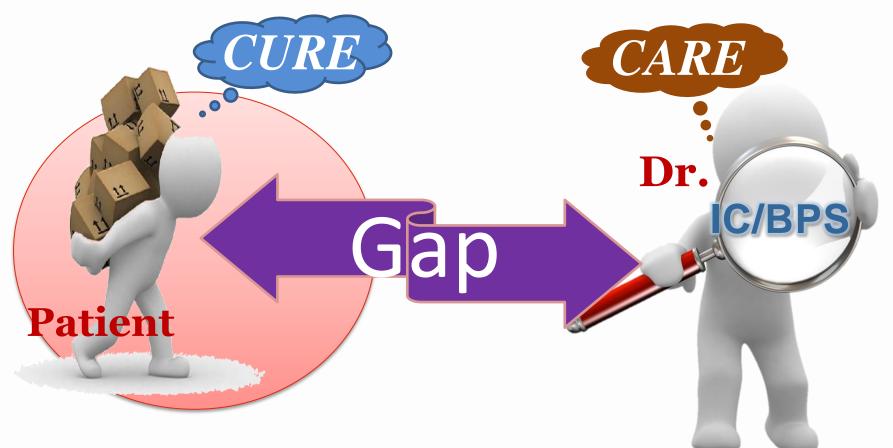
- -TMD
- -CFS
- -FM
- -IBS
- -Sicca syndrome
- -Migrain
- -CPP
- -Anxiety
- -Depression
- -Allergy
- -Asthma

Sultan SM. Curr Rheumatol Rep 2003;5:445-50.2 Warren JW. Urology 2011,78(4)



Gaps between IC/BPS patients and physicians







Management the Gaps between IC/BPS Patients and Physicians



Focus on Patient

- Patient's Perspectives *Cure the disease!
- **♦Bio-Rational**
- **♦**Psycho-Emotional
- ◆Social-Behavioral



- Organ-oriented approach (Bio)
- Current main bodily symptoms
- > Focus on dysfunction of peripheral organs
- Interventions aimed at <u>peripheral physiology</u> and restoration of organ function
- Cognitive interpersonal approach (Psycho)
- > Pattern of bodily and mental symptoms over time
- Focus on dysfunction of <u>central</u> processing and <u>context</u> factors
- Interventions aimed at <u>sensations</u>, <u>cognitions</u>, <u>affects</u>, <u>behaviors</u>, and <u>restoration of overall functioning</u>



Management the Gaps between IC/BPS Patients and Physicians



Physician's Perspectives Care the patients!

Bio medicine

- 1. Etiology- Multifactorial
- 2. Diagnosis marker?
- 3.Treatment guideline!!
- 4.Co-morbidity
- 5. Chronicity-flare up and remission
- 6.Target organ v.s. regional v.s. systemic (Functional somatic syndrome?)

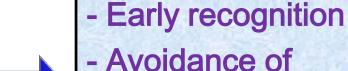
Psycho medicine

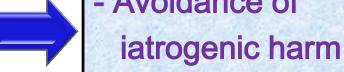
1.Psychotherapy

Social medicine

- 1.Health care system
- 2. Culture beliefs

Focus on doctor





- Communication skill







Algorithm of Taiwan-Lee Model



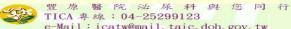




Treatment Process of Interstitial Cystitis

There are diverse treatments for interstitial cystitis, but no single one is specific for it. The long-term physical distress could lead to psychological burden, impaired interpersonal and occupational performance, as well as declined quality of life. The multidisciplinary treatment is the best treatment model for these patients.

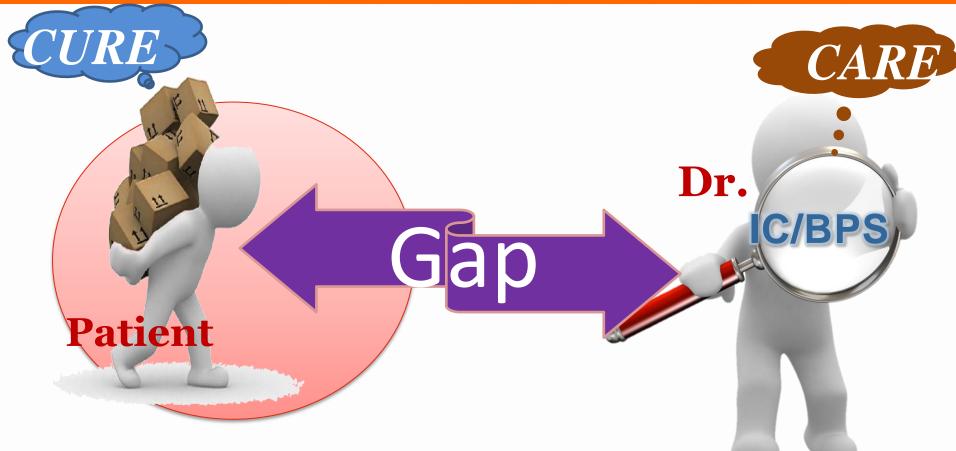
- Outpatient department
 - ◆ Physical examination, Initial OPD sheet,3-days urine diary, symptom-score
 - **◆** Urodynamic test (optional)
 - ◆ Potassium test (optional)
- OInpatient care
 - ◆ Cystoscopy, Cystodilation, (local or anesthesia);
 - ◆ Consultation of gynecologist,psychiatrist, nutritionist,Chinese-medicine, rheumatologist (Referral for psychological consultation, nutritional consultation, Chinese-medicine OPD,rheumatology OPD if indicate
 - ◆ Pelvic floor muscle exercise(biofeedback if indicated)
 - ◆ Multidisciplinary-team and patient meeting (Communication of the finding and treatment)
- **Outpatient follow-up**
 - ◆ Oral medication, intravesical medication, bladder rehabilization, nutritional consultation,...tec.
 - **◆ Taiwan International Cystitis Association (TICA)**
 - ◆ E-health care





Gaps between IC/BPS patients and physicians







Communication between IC/BPS patients and physicians









Management the Gaps between IC/BPS Patients and Physicians



Patient's Perspectives
*Cure the disease!

Bio-Rational Psycho-Emotional Social-Behavioral

Focus on patient

- Organ-oriented approach
- > Current main bodily symptoms
- > Focus on dysfunction of peripheral organs
- Interventions aimed at peripheral physiology and restoration of organ function
- Cognitive interpersonal approach
- Pattern of bodily and mental symptoms over time
- Focus on dysfunction of <u>central</u> processing and <u>context factors</u>
- Interventions aimed at <u>sensations</u>, <u>cognitions</u>, <u>affects</u>, <u>behaviors</u>, and restoration of overall functioning



Focus on doctor

- Early recognition
- Avoidance of iatrogenic harm
- Communication skill

The Physician's Perspectives Care the patients!

Bio medicine

- 1.Etiology- Multifactorial
- 2. Diagnosis marker?
- 3.Treatment guideline!!
- 4.Co-morbidity
- 5.Chronicity-flare up and remission
- 6.Target organ v.s. regional v.s. systemic (Functional somatic syndrome?)

Psycho medicine

1. Psychotherapy

Social medicine

- 1. Health care system
- Culture beliefs

Context Factors (Social)

- -Support system
- -Health-care system
- -Cultural beliefs
- -Doctor reimbursement system
- -Patient compensation schemes



Establishment and Goals of TICA

(Taiwan Interstitial cystitis Association)







TICA established in Dec,2004

Goals of TICA

Educational Goal: Through the aid of doctors and nurse, we would like to provide workshops about medicine and nursing care. We would also like to offer correct knowledge about IC prevention, self-caring, and treatment.

<u>Supportive Goal</u>: Through the help of TICA, we would like to help IC patients and their family relax and adjust to their lives, especially in the aspect of different types of pressure suchpsychology, emotion, family, and social environment.

<u>Self-help Goal</u>: We integrate experience sharing and emotional assistance to engage patients in mutual concern and encouragement. Finally, IC patients can establish positive perspective of life and can be more able to solve relevant problems.



TICA- Educational Goal





專家學者蒞臨演講 - TCS理事長 台北榮民總醫院 林登龍教授(Alex Lin)



小型聚會活動 - 骨盆底肌肉訓練 中山物理治療系 陳怡靜博士







TICA- Spport Goal





UROLOGY

ernational Journal of Urology (2014) 21 (Suppl 1), 62-6

ic 10 1111 (in 1233)

Original Article

Development and evaluation of an E-health system to care for patients with bladder pain syndrome/interstitial cystitis

Ming-Hinei Lee, ²⁰ Huei-Ching Wu, ²³ Jen-Yung Lin, ⁴ Tan-Hsu Tan, ⁵ Po-Chou Chan¹ and Yung-Fu Chen²⁴
Deputrons of ³ Management Information System and ³Healbater. Administration, Central Taiwa University of Science and
Feriodogy, ⁵ Deputron of Competer Science and Medican, Tackeng Deputron of Competer Science and Information Engineering. Do ³de University, Changhai, ³Deputron of Checked Engineering, National Taips
Whentyn of Schoology, ²grie, and ³Deputron of Health Scrieces Animation, Chim Medical University, Endouse, ³Dears of Medican of Science and Medican of S

Abbreviations & Acrony BPS/IC = bladder pain syndrome/interstitial cystifis

ICT = information and communication technology LUTS = lower urinary tract symptoms OOL = quality of life

QOL = quality of life SF-36 = Short Form 36 SMS = short message service

VAS = visual analog scales

Correspondence: Yung-Fu Chen Ph.D., Department of Healthcare Administration, Central Taiwan University of Science and Technology, 666 Buzin Road, Beitan District, Taichung 44601, Taiwan. Ensil: yfchen@ctust.edu.tw

Received 10 September 2013;

Objectives: Bladder pain syndromelinterstitial cystitis (BPSIC) is a chronic disease that highly degrades the quality of life for patients. In the present study, internet intervention was used to care for bladder pain syndromelinterstitial cystitis patients to alleviate their pain and bothering symptoms.

Methods: Feathcrare education was carried out through the internet by asking the patients, who were mortorly divided not suitably of patients; and corried (a) patient groups, to chick possible sensitive boost, tables, and behaviors weekly to remind and concludate epotract rules for promoting quality of life. The symptom base consistion through both message sensive with the internet used to elevate healthcare efficiency was and problem indicare, we will alway always give pass and undergoor configurations and communication behaviory internet on. The concrow was related and configurations and communication behaviory internet on. The concrow was related and treatments on and communication behaviory internet on. The concrow was related and the communication behaviory internet on. The concrow was related and the communication behaviory internet on. The concrow was related and the communication behaviory internet on. The concrow was related and the communication behaviory internet. The concrow was related and the communication behaviory internet.

Results: The quality of life of both the control and study groups was significantly improved. The quality of life and visual analog scales for the patients in the study group with information and communication technology intervention showed a much greater improvement compared with the patients in the control group IP < 0.05).

Conclusions: The Ehealth system was shown to be effective in improving quality of life of bladder pain syndrome/interstitial cystitis patients through intervention of internet healthcare education and short message service for the consolidation of healthy behavior and fleship in the 8-week follow up.

Key words: bladder pain syndrome, E-health education, information and communication technology, interstitial cystitis, quality of life.

TICA E-health system













TICA Facebook



TICA- Self-Help Goal





Regular patients gathering



Inpatients Support of IC patients



TICA annual tour (once a year)



TICA annual meeting (once a year)

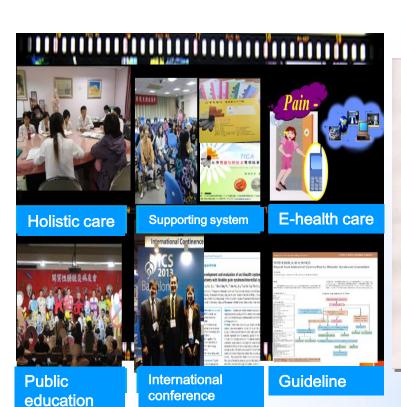


Achievement of TICA

(Taiwan Interstitial cystitis Association)



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Why holistic management for IC?



- multifocal etiologies
- chronic visceral pain syndromes(Cross talk vs. Up regulation)

Multidisciplinary

(Bio-Psycho) Approach

co-morbidities

- nature histories poor described
- unpredictable treatment outcome(Wax vs. Wane)
- patients centered care



Bio-psycho-social model



Health promotion

Supportive group (TICA)

Medical education

E-Health Care System

Social Approach

HOME ABOUT IC PATIENT RESOURCES SUPPORT PROVIDER RESOURCES RESEARCH ADVOCACY NEWS & EVENTS



Interstitial Cystitis Association

Interstitial cystitis (in-ter-stish-whi sT-stffs), or as we call it, IC, is a condition that consists of recurring peivic pain, pressure, or discomfort in the bladder and peivic region, often associated with urinavi frequency (needing to go often) and urgency (feeling a strong need to go). IC may also be referred to

IC can affect anyone. More than 4 million people in the US have IC. Between 3 and 6 million women and 1 to 4 million men in the US may have IC. Estimating conservatively, that's 1 out of 77 beopie who have IC. Or, if further research supports the higher prevalence rate, that 's 1 out of every 20 people. That's more than the number of people with breast cancer, Alzheimer's disease, and autism combined. Children are also diagnosed with IC, but prevalence data is not known.

The Interstitial Cystilis Association (ICA) is the only non-profit health association solely dedicated to affected by IC. Together, we will achieve our mission of Conquering IC and Changing Lives!

IC ART AUCTION-NOW LIVE!

Join the fun, help the cause, and enjoy artwork created by two accomplished artists living with ICI

Click here to learn more



TICA

性膀胱炎關懷協會

Taiwan Interstitial Cystitis Association

直接進入

愛護膀胱

可病例上,TICA建議你關於任何治療與用

we can conquer

n we can cu

結合因及的複載方字與實際又行,互相關懷、致屬,建立正復 共同面對慢性病的生涯,進而增進處理問題的能力。



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定期小型聚會 戶外聯體活動 定期學斯德 完則學斯德 發行刊物,提供醫療資訊及病友分享平台





http://www.twica.org.tw TEL:04-22298843