

## 2023 TCMF 慈濟醫學年會論文海報發表投稿單

服務單位	院區： <input type="checkbox"/> 台北 <input type="checkbox"/> 台中 <input type="checkbox"/> 大林 <input type="checkbox"/> 花蓮 <input type="checkbox"/> 玉里 <input type="checkbox"/> 關山 <input type="checkbox"/> 斗六 <input type="checkbox"/> 三義 <input type="checkbox"/> 嘉義診所 學校： <input type="checkbox"/> 慈濟大學 <input type="checkbox"/> 慈濟科技大學 <input type="checkbox"/> 其他-		
申請人		所屬科別	
通訊作者		所屬科別	
通訊作者 手機		通訊作者 E-mail	
發表題目	(英文)		
發表方式	論文海報(Non Discussion Poster)(海報張貼，無須口頭簡報)		
<p>投稿須知：</p> <ol style="list-style-type: none"> <li>1. 【投稿期限】即日起至 <b>2023年6月30日(五)</b>，以投稿上傳日期為憑，逾期恕不受理。</li> <li>2. 【投稿方式】請將檔案投稿至 tcyalin77@gmail.com 信箱，投稿完成後，學術發展室將於3個工作日內審核完，並回覆您「投稿完成通知信」。</li> <li>3. 【信件主旨】投稿之信件主旨，請依下述命名：「海報展示-醫院或學校名稱-姓名」(例：<b>海報展示-花慈-林志鈴</b>)，以利查詢。</li> <li>4. 【字體字型】 <ol style="list-style-type: none"> <li>(1)標題：14級字、粗體、標楷體(中文)、Times New Roman(英文全大寫)。</li> <li>(2)作者及單位(中英並陳)：12級字、粗體、標楷體(中文)、Times New Roman(英文)。</li> <li>(3)內文：12級字、Times New Roman(英文)。</li> </ol> </li> <li>5. 【內文格式】(詳見下頁範例) <ol style="list-style-type: none"> <li>(1)須含<b>研究目的</b>(Objective)、<b>材料與方法</b>(Materials and Methods)、<b>結果</b>(Results)及<b>結論</b>(Conclusions)。</li> <li>(2)內文請一律用<b>英文書寫</b>，唯作者姓名及服務單位，請用<b>中、英文並書</b>。</li> <li>(3)作者及單位之寫法，由於各作者分屬不同服務單位，請於右上角加註1、2、3等上標字，<b>第一作者姓名下方請加註橫線</b>。</li> </ol> </li> <li>6. 【時間地點】於2023年慈濟醫學年會(11/04-11/05)，在<b>台中慈濟醫院</b>張貼展示。</li> <li>7. 【海報規格】直立式，寬90公分，長120~150公分；電子海報張貼(Non-Discussion Poster)。</li> </ol> <p>附註1：投稿之接受與否及發表方式，本室保有決定權，一經錄取後，不得無故取消或變更。</p> <p>附註2：2023年投稿的論文海報<b>未</b>收錄於慈濟醫學雜誌附冊。</p>			

## 參考範例

### 標題：

14 級字粗體、  
Times New  
Roman 全大寫

**ELECTRON MICROSCOPIC CHARACTERISTICS OF INTERSTITIAL CYSTITIS/BLADDER PAIN SYNDROME AND THEIR ASSOCIATION WITH CLINICAL CONDITION.**

### 作者及單位：

中英並陳

12 級字粗體、

標楷體

(中文)、

Times New

Roman

(英文)。

**Jia-Fong Jhang<sup>1</sup>, Han-Chen Ho<sup>2</sup>, Yuan-Hong Jiang<sup>1</sup>, Cheng-Lin Lee<sup>1</sup>, Yung-Hsiang Hsu<sup>3</sup>, Hann-Chorng Kuo<sup>1</sup>**

**張嘉峰<sup>1</sup>、何翰蓁<sup>2</sup>、江元宏<sup>1</sup>、李政霖<sup>1</sup>、許永祥<sup>3</sup>、郭漢崇<sup>1</sup>**

<sup>1</sup>Department of Urology, Hualien Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation and Tzu Chi University, Hualien, Taiwan.

<sup>2</sup>Department of Anatomy, Tzu Chi University, Hualien, Taiwan.

<sup>3</sup>Department of Pathology, Hualien Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation and Tzu Chi University, Hualien, Taiwan.

<sup>1</sup> 佛教慈濟醫療財團法人花蓮慈濟醫院暨慈濟大學泌尿部

<sup>2</sup> 慈濟大學醫學系解剖學科

<sup>3</sup> 佛教慈濟醫療財團法人花蓮慈濟醫院暨慈濟大學解剖病理科

### 內文：

12 級字、  
Times New  
Roman

**Objective** : Electron microscopy (EM) characteristics of the urothelium in interstitial cystitis/bladder pain syndrome (IC/BPS) and their association with clinical condition are unclear.

**Materials and Methods** : Ten IC/BPS patients who were admitted for hydrodistention and 5 patients with stress urinary incontinence (control patients) were enrolled. All patients provided detailed clinical histories and underwent urodynamic studies. Cystoscopic bladder biopsies were obtained and processed for transmission EM (TEM) and scanning EM (SEM). The severity of the urothelium findings was graded on a 4-point scale (0: none, 1: mild, 2: moderate, and 3: severe). The EM findings between IC/BPS and control patients were compared; the results were analyzed using the chi-square test.

**Results** : Compared with the urothelium of control patients, the urothelium of IC/BPS patients had more severe defects of the urothelial cell layers and integrity of umbrella cells in TEM ( $p = 0.045$  and  $0.01$ , respectively). In SEM, umbrella cell pleomorphism increased and microplicae of the cell membrane decreased in the IC/BPS group, and both were more severe than in the control group ( $p = 0.022$  and  $0.007$ , respectively). The patients with moderate to severe defects of umbrella cell integrity had more severe bladder pain and smaller maximal bladder capacity (MBC) (both  $p = 0.010$ ). Patients with moderate to severe defects in microplicae of the cell membrane had smaller cystometric bladder capacity and MBC ( $p = 0.037$  and  $0.047$ , respectively).

**Conclusions** : The results revealed significant urothelium defects in IC/BPS, especially in the umbrella cells. Defects of umbrella cells may play an important role in the pathogenesis of IC/BPS.