出國報告(出國類別:線上國際會議發表論文)

第54屆泛太平洋小兒外科醫學會年會

服務機關:臺中榮民總醫院外科部兒童外科

姓名職稱:黃勝揚主治醫師 派赴國家:線上國際會議

出國期間:110.11.14-110.11.18

報告日期:110.12.07

摘要(含關鍵字)

Purpose: Almost half of the Crohn's disease (CD) patients receive reoperation 20 years after the initial surgery. Anastomotic recurrence had been an important issue. Many methods and risk factors had been established in adult CD populations. However, fewer pediatric patients underwent surgery for CD, thus risk factors and techniques to prevent postoperative recurrence remain unknown.

Materials and Methods: Patients with CD who received the operation at our pediatric surgery department from January 2001 to December 2020 were retrospectively enrolled. Total seven patients were included and five received two-stage operations. The procedures included resection of the lesion with diverting enterostomy and then closure of enterostomy after 3 to 6 months. Two patients received a one-stage operation with primary anastomosis. Medical history was reviewed. Preoperative, operative, and postoperative parameters were recorded and analyzed.

Results: With a mean follow-up of 76 months, one patient in the two-stage operation group had a surgical recurrence. Chi-square (χ 2) test showed no statistical correlation of postoperative recurrence between two-stage and one-stage surgery (p = 0.49). There was also no statistical correlation of short-term complications between the two groups.

Conclusion: In pediatric CD patients who received operation, either one-stage or two-stage operation has no impact on recurrence and short-term complications. Keywords: Crohn's disease, pediatric, one-stage operation, two-stage operation.

一、 目的:

代表臺中榮民總醫院及臺灣小兒外科醫學會參加國際會議發表論文, 同時了解各國小兒外科最新發展與現況,並與各國小兒外科醫師線上 交流,增加國際能見度。參與線上會議口頭

二、 過程:

泛太平洋小兒外科醫學會(The Pacific Association of Pediatric Surgeons, PAPS)會員主要為環太平洋地區或國家的小兒外科醫師參與,近年來 還包括中東、西歐以及非洲等等非環太平洋國家的小兒外科醫師獲邀 加入,讓這個地區性的國際會議逐漸轉變成全球化盛會,亦是臺灣及 亞洲各國小兒外科醫學會最重視且每年皆積極參與的國際盛會。2020 年臺灣小兒外科醫學會積極爭取到主辦國並以臺南這個充滿臺灣獨特 文化的古都作為舉辦地,本科當時與臺灣小兒外科醫學會夥伴皆積極 參與會議的籌備與投稿,但不幸的是,COVID-19 國際疫情突然爆發 限制了國際旅行,該次實體會議便延期並轉變為線上會議。因為國內 旅遊仍有限制,本次為第54屆泛太平洋小兒外科醫學會年會,連同去 年這是第二次由臺灣主辦線上會議。雖未能現場與各國專家交流,但 PAPS 線上會議仍依照往例分為 Basic science, Education/Simulation, Gastrointestinal, Hepatobiliary, MIS/Robotics, Neonatal, Thoracic, Trauma/Critical Care 以及 Urology 等不同 sessions 進行 oral presentation, quick shot 和 video poster 之論文發表。臺中榮總外科部兒 童外科共投稿 2 篇口頭論文,一篇為周主任指導外科部住院醫師翁任 康發表青少年自發性氣胸治療成果及發現,另一篇則為黃勝揚醫師指 導外科部住院醫師林志安整理兒童 Crohn's disease 在本科之手術治療 成果及發現,兩篇研究論文均已寫成文稿進行期刊論文投稿中,經由 參與PAPS的討論也能讓作者們更能針對文稿的問題進行適切的修改。 本次會議在諸多主題上均有新穎的發現值得深入探討,在基礎醫學 session,最令人印象深刻的是印尼的 Dr. Gunadi 以精準醫療中的全基 因圖譜研究 Hirschsprung disease 罕見的惡性化病變,由於該項疾病在 病人長大後可能不會再回到小兒外科追蹤,若能提早得知病變的風險 並告知病人及家屬,是一大進步。而在教育及模擬 session,今年的主 題都針對 3D 列印技術應用於手術模擬及教學方式的實例,對於本科 最大的兩個問題:病人數少及經驗傳承不易,這樣結合最新科技的教 學模擬方式不啻為較佳的替代方案。而在各器官疾病與手術的 session 中,最具有啟發性的一篇口頭論文是討論嬰幼兒及兒童手術前嚴格禁

食的必要性,來自澳洲的研究團隊發現手術前讓小兒持續攝食含葡萄糖水,可明顯減少手術後的代謝壓力,這對小兒外科執行所謂的 Early Recovery After Surgery (ERAS)來說是很重要的發現,因為小兒與成人腸胃系統與代謝上的差異,手術前的禁食需要因人而異的改變。本次大會最特殊安排莫過於第二天的 JPS Lecture,大會邀請阿富汗的小兒外科醫師 Dr. Dunya Moghul,講述如何達成不可能的任務:逃出阿富汗。Dr. Moghul 娓娓道來阿富汗政局變遷下,女性小兒外科醫師如何保全自己的生命與技術,期待未來的機會再為國家的病童們奉獻心力,演講過程中,讓人反覆思考自己從事小兒外科的初衷,其實就是為了下一代的健康與成長奉獻自己的能力,這是一個相對容易看到希望的專科,卻也需要投入更多自己的時間與心力。

三、 心得:

報告人曾於 2019 年投稿 PAPS 年會,當年於紐西蘭舉辦實體會議且獲 得口頭報告機會,亦獲得院方慷慨補助,當因突然發生阿基里斯腱斷 裂而無法成行,後由本科主任代為報告,報告內容也已刊登於期刊論 文,這樣的過程讓本科對於投稿國際醫學會更有持續的動力。本屆與 上屆 PAPS 均改為線上會議,經報告人觀察投稿篇數確實不如以往實 體會議,或許是因為線上會議仍有時區的問題,也或許是因為少了現 場與醫師的接觸讓人較無法深入討論,但這樣的線上會議在目前甚至 未來的疫情下,相信仍然是會議舉辦的趨勢。臺灣小兒外科醫學會讓 在各位同伴的努力下共發表了八篇口頭論文,並有三人次擔任座長。 而更令人振奮的是,臺大小兒外科賴鴻緒教授榮獲第54屆泛太平洋小 兒外科醫學會 Cole Medal 獎項,並由亞東醫院副院長陳芸先引言介紹 她的老師賴教授,接著賴教授致詞並撥放生平相關影片,這是泛太平 洋小兒外科醫學會的最高榮譽,也是目前唯一的世界性小兒外科獎項, 賴教授的獲獎不但代表他本人的醫療與學術地位,更讓臺灣可以藉由 這樣的國際會議場合,持續維持我們的國家能見度,讓世界看見臺灣 醫療,也看見臺灣。

四、 建議事項(包括改進作法):

- 1. 本科從事嬰幼兒及兒童微創手術多年,已累積不少手術實績,往後醫學會可考慮投稿 video session。
- 2. 兒童 ERAS 需要詳細且依照不同年齡與體重的個人化,有別於成人的常規化,可成為本科未來研究的方向之一。
- 3. 對於手術方式教學或病患衛教,影像化、模型化甚至 AR/VR 是未來的趨勢,本科將著手進行。

附錄

臺大賴鴻緒教授榮獲第 54 屆泛太平洋小兒外科醫學會 Cole Medal 獎項,上為介紹人亞東醫院陳芸副院長。



Dr. Dunya Moghul LPS Lecture



8

本科報告線上會議畫面

< Session

Primary conservative versus primary surgical treatment strategies

for pediatric primary spontaneous pneumothorax

Jen-Kang Wong*, Sheng-Yang Huang**, Chou-Ming Yeh**, Chia-Man Chou**,
Hou-Chuan Chen*

'Department of Surgery, Taichung Veterans General Hospital, Taichung, Taiwan

*School of Medicine, National Yang Ming Chuao Tung University, Taipei, Taiwan

*Taichung Hospital, Ministry of Health and Welfare, Executive Yuan, Taichung, Taiwan

*Department of Healtheate. Central Taiwan University of Science and Technology, Taichung,
Taiwan

Purpose

PUTPOSE

Pediatrio Primary spontaneous pneumothorax (PSP) in not uncommon. Pediatrio surgeons worldwide often follow the British Thoracic Society (BTS) Guideline or the American College of Chest Physicians (ACCP) Consensus Statement as basis of primary management. However, all those suggestions are based on studies of adults nather than pediatrie patients. Unsatisfying high recurrence rate in conservative treatment according to previous studies often cause unnecessary cost and disconfirsts of patients. Here we manage to establish a more effective method for primary management of pediatric PSP regarding recurrence, hospital stay and cost. In this study, outcome comparison of primary suggisal versus primary conservative nanagements of pediatric PSP is performed and advocacy of the better strategy would be made.

Material and Methods

Study design:

Review of medical records from 0-20 years old patients with diagnosis of PSP at Taichung
Veteraus General Hospital between January 2009 and September 2020 was performed. Total 97
patients were enrolled in this retrospective study. The diagnosis of PSP was made according to
patient history and CXR for patients only underwent conservative treatment. For patients had
primary or subsequent VATS surgery, the diagnosis was further confirmed by pathological
existence of emphysematous blacks or bullae. PSP patients were divided into two groups
according to primary conservative treatment or primary surgery. In addition, subgroup analysis
in the primary surgery group regarding pleurodesis approach was also conducted. Patients with
chronic obstructive pulmonary disease (COPT), bronchial asthma, prior pulmonary infections
with parenchymal destruction or malignancy were excluded for possible secondary spontaneous
neumothors.

with parenchymal destruction or malignancy were excluded for possible secondary spontaneous pneumothorax.

Primary conservative group:

Primary conservative treatment included watchful waiting and tube thoracostomy only. The choice of management was based on patient's clinical condition and chest. X ray finding. Simple aspiration was not a routine approach in this institution.

Primary surgery group:

The group was defined as primary intention to perform VATS for PSP, including wedge resection of blebs or builtae and mechanical pleurodesis with or without chemical pleurodesis. Mechanical pleurodesis with the performed with rough surface of onatory tip eleaner. Pleural eavity was cerubbed adequately on the surface of parietal and visceral pleura. Chemical pleurodesis was performed during surgery with minocycline (200 mg in normal saline 20 mt.). Chest tube was raised above the patient to contain the minocycline while allowing air passage for 6-8 h.









... 更多

< Session

	Short Yang Hains		un Chen!	Cha Mar Ciria					Park Season		
Abatract -										- 1	1
replaced the defining half of the following depo- traction, their perfect confined confined to fight parties and the following confined to following behind programs of their same programs and processing or their same founds, both a major following a freed and following forms a major following or following to \$1.1 feels and also in deplicate contributions to \$1.1 feels and also for actions also see	the reference of the model of the control of the co	and market and the	Carried Colors	to de la company	many mercian of one elegan of measured o	-	-	area religions and areasons the	to separate a	and the state of t	on the
lable 1. Character story of tex stage and one stops operation groups				tion 2 Fearmer Fig. or	Chipmen F	-	-	time & Corp.		minmed I	-
and delicate	MACIO AL		-	THE RESERVE OF THE PERSON NAMED IN	STATE OF THE PERSON	NAME OF TAXABLE PARTY.		To the last			-
				THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN			entered to		Secure Property lies	(Martinetti)	-
Andreas House	Tracket	m1438	4447	Milmon				the same			
A CONTRACTOR OF THE PARTY OF TH	DM (28)	M.11 . A.DE	0.007	Marie Control of the			P-454	Carry manders	W. 18.77-		
	12411.46	bett i gan	2.00	Annual Section 1				_			
ghe sta	-	_	_		73.W			-			0.10
or Hall			2212	Transferred Transit	304 m				-	100	40
THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY N			3774	Security and the second		0	0.654		-	DOM:	
Marie Marie	-		_	State and House, where the				- Name of	0.015	A-100	4.25
and the second Park		1		THE RESERVE AND PERSONS IN			0.444	SACTORIAL STREET	470		
		Street, Square	0.149	STEEL STEEL STEEL STEEL			6.789		-1		0.47
The second second second	1	1		NO. PROPERTY AND ADDRESS OF THE PARTY OF THE	-	N.	10.740		19.34	18-6L - Y 45	
and received from the last territories.	THE RESERVE OF THE PERSON NAMED IN			and plant the bearing the				San	1	1	
A STATE OF THE STA	1		449	All the last of th		10		and the same		4	6.71
And district the same	-1	771	444							•	
Paris Classification "Total eclack	464			The second second	-	-	-	Conclusion		-	
One & Commercial Services and artists of	and the same of the same of	The same of the same		The state of the state of	200	100				and a second	
Control of the Contro	THE RESERVE OF THE PERSON NAMED IN	THE RESERVE AND	THE OWNER OF THE OWNER, WHEN	The state of the s			Promise of			for my	
THE RESERVE OF THE PERSON NAMED IN	-	1	-	THE RESERVE AND ADDRESS.						marking appropriate	
Control of the last of the las	2		6 279					inchesporary to	THE PERMIT	STORES P.	the large
STREET, SQUARE, SQUARE, SQUARE, SQUARE,	1	12	9 222	18000	12.50	- 40	6.00	And the same		-	
A STATE OF THE PARTY OF THE PAR		u.	0,712			-	1	Perhapson			
			TO AND	for I hardway of sun	rain/				Marie States	Section 1	-
				BUT MORNINGS IN NO.							







