

花蓮慈濟醫院影像診療研討會

日期：2023年09月08日
時間：08:00 - 09:00
地點：花蓮慈濟醫院大愛七樓 702 教室

時間	題目	主講人
08:00-09:00	個案討論	盧鵬年

Patient profile

Name	李 O 旗				
Age	54 y/o	Gender	male		
BH(cm)	175.5	BW (kg)	59.4 BMI 19.29		
Admission date	110.11.12	Alcohol (+) Betel Nut (+) 戒 Cigarette (+) 1 PPD for 30 y/o			
Chief complain	Productive cough and anorexia for about 3 months and aggravated in recent 1+ month.				
Past history	Nil				
Medical history	Right distal radius open fracture s/p Repair(anastomosis), peripheral vessel, ESF application and Closed reduction, wrist, 2014				
TOCC	denied				

Present illness

110.11.04

CXR showed a mass over right hilar region;
suspected collapse of RML and RLL.

110.11.08

Abdominal echo : normal

EGD : superficial gastritis.

Colonoscopy : internal hemorrhoids.

110.11.12

Transferred to CM OPD, and admitted to ward.

2021.11.04 CXR

PA view

Decreased-opacity
round shape

Increased
radio-opacity

Carina

Aortic arch

Descending
aorta

R't heart
border

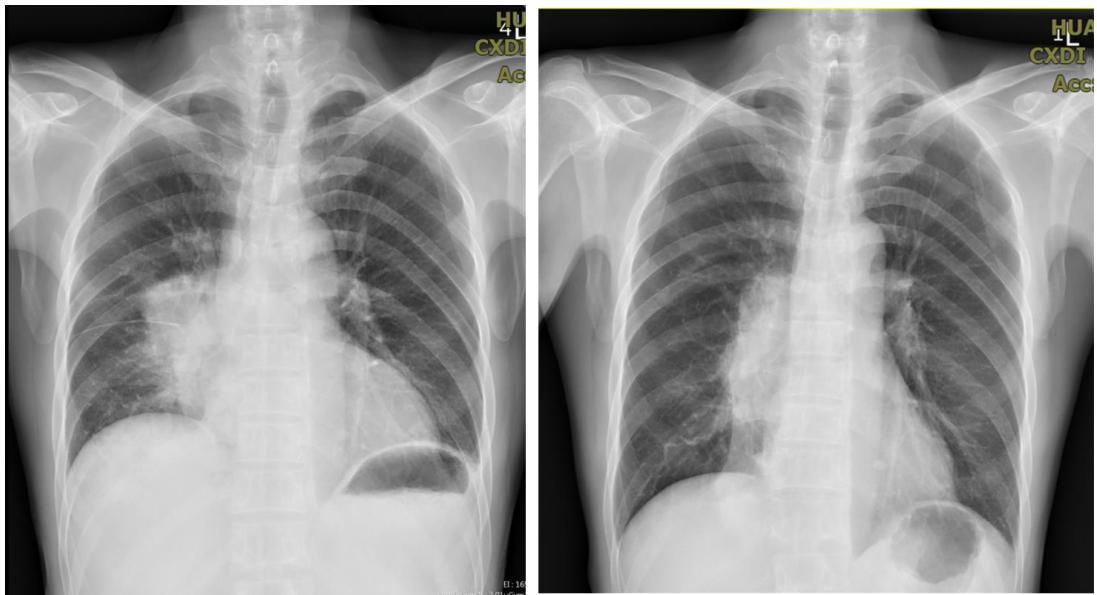
2021.11.04 OPD lab data

	檢體名稱	報告日期	檢驗項目	檢驗報告	單位	標準(低)	標準(高)
1	Blood		CBC & PLT				
2		1101104	WBC	12.14	*10^3/uL	3.90	10.60
3			RBC	2.97	*10^6/uL	4.50	5.90
4			Hb	9.5	g/dL	13.5	17.5
5			Ht	28.2	%	41.0	53.0
6			MCV	94.9	fL	80.0	100.0
7			MCH	32.0	pg	26.0	34.0
8			MCHC	33.7	%	31.0	37.0
9			PLT	517	*10^3/uL	150	400
10			RDW-CV	13.2	%	11.5	14.5

Leukocytosis, thrombocytosis, normocytic anemia

	檢體名稱	報告日期	檢驗項目	檢驗報告	單位	標準(低)	標準(高)
1	Blood	1101104	AST (GOT)	33	U/L	13	39
2			ALT (GPT)	42	U/L	7	52
3			BUN	9	mg/dL	7	25
4			CRE				
5		1101104	CRE	0.64	mg/dL	0.70	1.30
6			eGFR	138.52	mL/min	90	

2021.11.13 CXR



11/04

2021.11.12 admission Lab data

	檢體名稱	報告日期	檢驗項目	檢驗報告	單位	標準(低)	標準(高)
1	Blood		HbA1c		%		
2		1101113	HbA1c	5.7	%	4.0	6.0
3			eA GLU	117	mg/dL		
4	Blood	1101112	GLU-random	113	mg/dL		140

Normal HbA1c, random Glu-> no DM

Liver, GI

	檢體名稱	報告日期	檢驗項目	檢驗報告	單位	標準(低)	標準(高)
1	Blood	1101112	AST (GOT)	45	U/L	13	39
2			TBI	0.9	mg/dL	0.3	1.0
3			DBI	0.4	mg/dL		≤0.2
4			T P	6.0	g/dL	6.4	8.9
5			ALB-BCG	2.5	g/dL	3.5	5.7
6			GLO	3.5	g/dL		
7			A / G ratio	0.7			

9		1101112	CRE	0.48	mg/ mL	CRP high
10			eGFR	193.06		
11			Na	130	mmol/ L	Electrolyte imbalance
12			K	3.6	mmol/ L	
13			Ca	1.95	mmol/L	2.20
14			Mg	1.6	mg/dL	1.9
15			CRP	11.09	mg/dL	2.7
						1.00

Clinical course

110.11.12

Transferred to CM and admission

110.11.13

	檢體名稱	報告日期	檢驗項目	檢驗報告	單位	標準(低)	標準(高)
1	Urine-M. st	1101116	S.pneu. Ag	Negative			
2			L. pne. Ag	Positive			

110.11.16-17

病歷號	N []	當下床號	2162-2	申請時間	110/11/16 10:26					
檢體編號	110M132870	檢體	Sputum	器官		簽收時間	110/11/16 16:39	前一筆	後一筆	
	菌名		價數	菌落數	週數	確認時間				
1	N13 No Legionella species					110/11/30 10:01				
菌序	【1】	【2】	【3】	【4】	【5】					
抗生素名稱	MIC(µg/mL)	SIR	MIC(µg/mL)	SIR	MIC(µg/mL)	SIR	MIC(µg/mL)	SIR	MIC(µg/mL)	SIR

Infection survey

AFS and Spu/C all (-), on 11/16, 11/18, 12/2, 12/3, 12/5

Clamydia trachonatis IgA, IgM, IgG (-)
C. pneumonia IgM(-)

CMV IgG(+), IgM(-)

EBV IgG(+)

HBsAg (-), Anti-HCV(-)

HSV1&2 IgG(+), IgM(-)

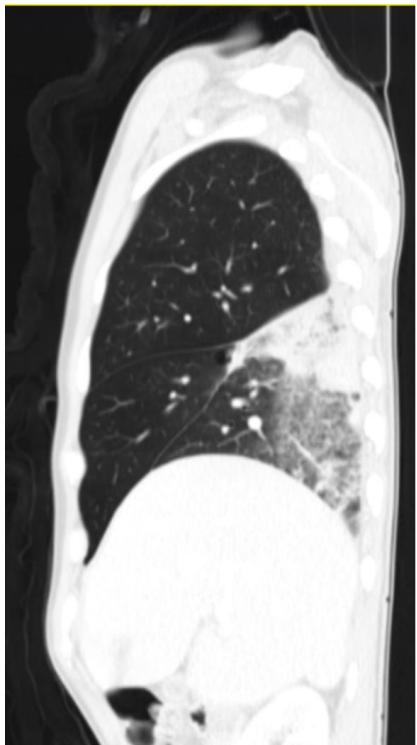
	檢體名稱	報告日期	檢驗項目	檢驗報告	單位	標準(低)	標準(高)	報告人
1	Sputum	1101207	P.jiroveci(q)	Undetectable				吳威豪
2			HSV	Undetectable				吳威豪
3			CMV	Undetectable				吳威豪
4			Aspergillus(q)	Undetectable				吳威豪
5			C. pneumoniae	Undetectable				吳威豪

110.11.16 Lung aspiration

MAJOR CRITERIA		minor criteria						Two major criteria or One major and three minor criteria or Five minor criteria																																																																																																																					
1. Blood cultures positive for infective endocarditis		1. Predisposing factor ^a						Definite Diagnosis																																																																																																																					
2. Evidence of endocardial involvement		2. Temperature >38°C						One major and one minor criteria or Three minor criteria																																																																																																																					
		3. Vascular phenomena ^b						Possible Diagnosis																																																																																																																					
		4. Immunologic phenomena ^c						1:45																																																																																																																					
		5. Microbiologic evidence ^d																																																																																																																											
^a Intravenous drug use or a predisposing heart condition.																																																																																																																													
^b Vascular phenomena include major arterial emboli, septic emboli, pulmonary infarcts, mycotic aneurysm, intracranial hemorrhage, conjunctival hemorrhage, and painless skin lesions (i.e., Janeway lesions).																																																																																																																													
^c Immunologic phenomena include glomerulonephritis, painful nodes (i.e., Osler's nodes), retinal hemorrhages with small, clear centers (i.e., Roth's spots), and positive rheumatoid factor.																																																																																																																													
^d Positive blood culture not meeting a major criterion or serologic evidence of an active infection with an organism known to cause infective endocarditis.																																																																																																																													
<table border="1"> <thead> <tr> <th>抗生素名稱</th> <th>MIC(µg/mL)</th> <th>SIR</th> <th>MIC(µg/mL)</th> <th>SIR</th> <th>MIC(µg/mL)</th> <th>SIR</th> <th>MIC(µg/mL)</th> <th>SIR</th> <th>MIC(µg/mL)</th> <th>SIR</th> <th>MIC(µg/mL)</th> <th>SIR</th> <th>MIC(µg/mL)</th> </tr> </thead> <tbody> <tr> <td>Penicillin(P)</td> <td></td> <td>S</td> <td></td> </tr> <tr> <td>Erythromycin(E)</td> <td></td> <td>S</td> <td></td> </tr> <tr> <td>Clindamycin(CC)</td> <td></td> <td>S</td> <td></td> </tr> <tr> <td>Vancomycin(VA)</td> <td></td> <td>S</td> <td></td> </tr> <tr> <td>Chloramphenicol(C)</td> <td></td> <td>S</td> <td></td> </tr> <tr> <td>Cefotaxime(CTX)</td> <td></td> <td>S</td> <td></td> </tr> <tr> <td>Levofloxacin(LVX)</td> <td></td> <td>S</td> <td></td> </tr> </tbody> </table>														抗生素名稱	MIC(µg/mL)	SIR	MIC(µg/mL)	Penicillin(P)		S												Erythromycin(E)		S												Clindamycin(CC)		S												Vancomycin(VA)		S												Chloramphenicol(C)		S												Cefotaxime(CTX)		S												Levofloxacin(LVX)		S																					
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2021.11.15 CT





Tumor r/o examination

110.11.16

Echo guide biopsy and aspiration

From right posterior chest, sonography showed mass/consolidated lesion, with hypoechoic lesion (liquified).

Biopsy showed normal lung tissue with pus

Sputum cytology showed tumor cell (-)

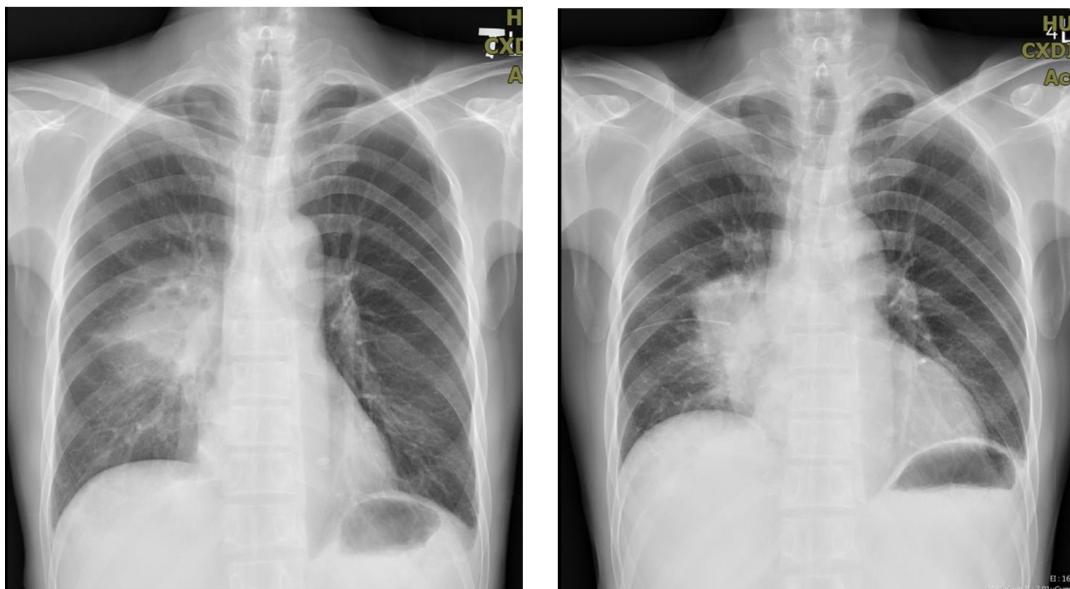
	檢體名稱	報告日期	檢驗項目	檢驗報告	單位	標準(低)	標準(高)
1	Blood	1101115	CEA	3.2	ng/mL	0	3.0
2			SCC	0.4	ng/mL		1.5
3			CA 19-9	6.2	U/mL		35.0

110.11.26

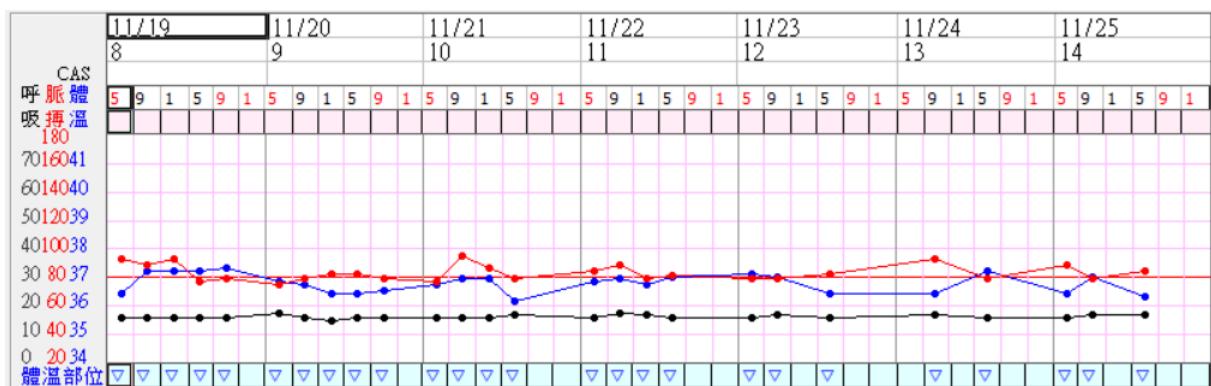
EBUS-TBNA right bronchus 6a showed chronic inflammation, no tumor cell

2021.11.18 CXR

11.13



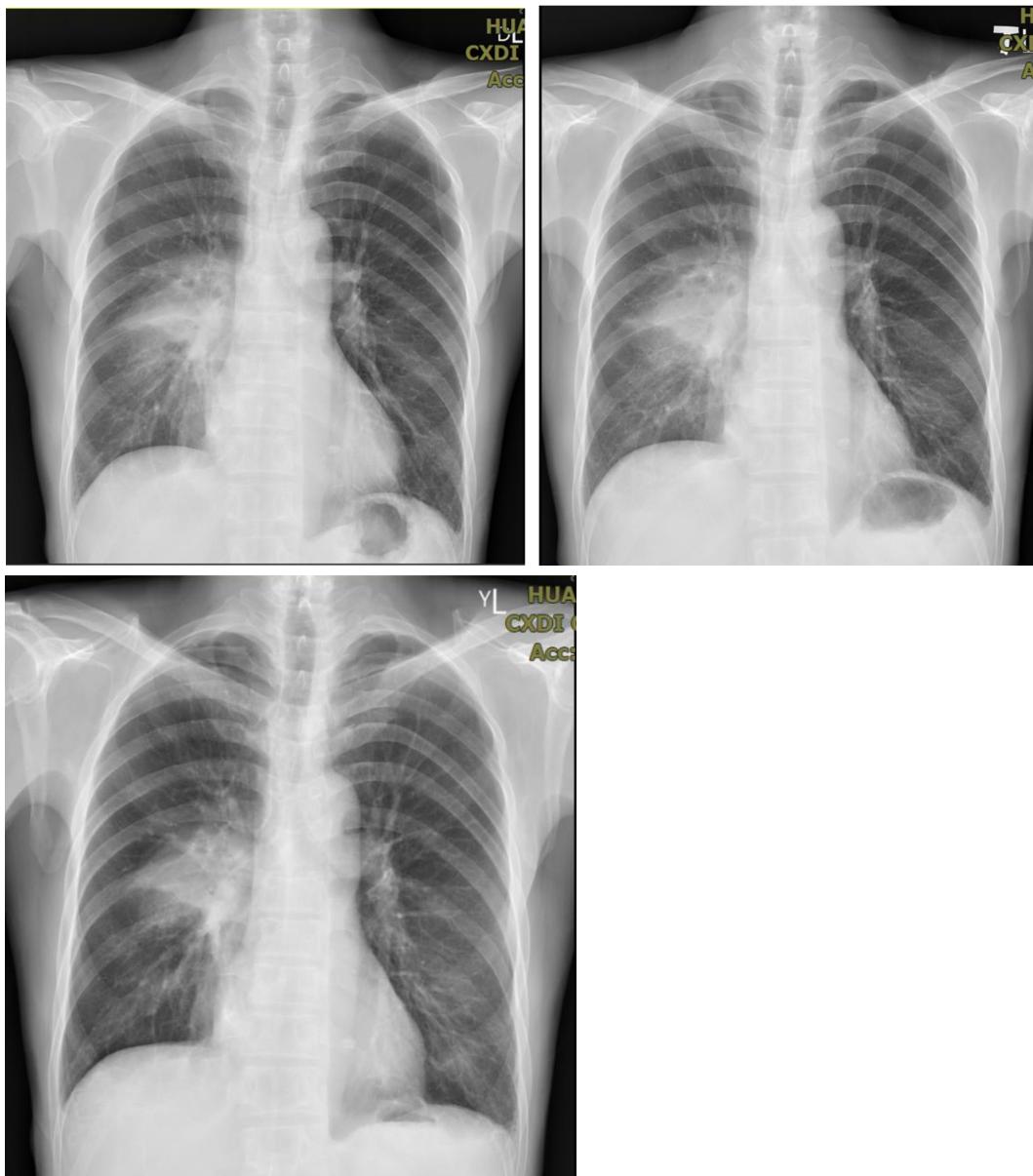
Clinical course



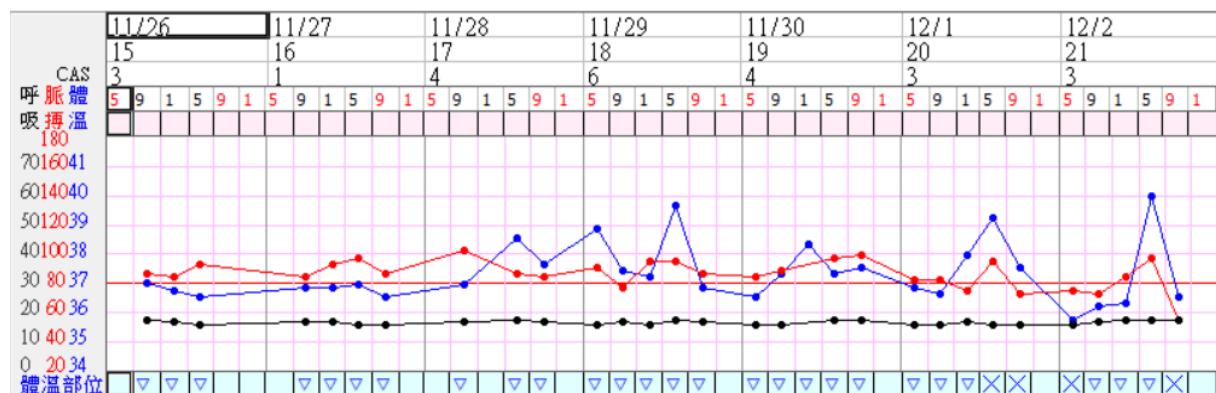
Keep Anti clindamycin and moxifloxacin

2021.11.22&25 CXR

11.18



Clinical course - infection



Keep Anti clindamycin and moxifloxacin

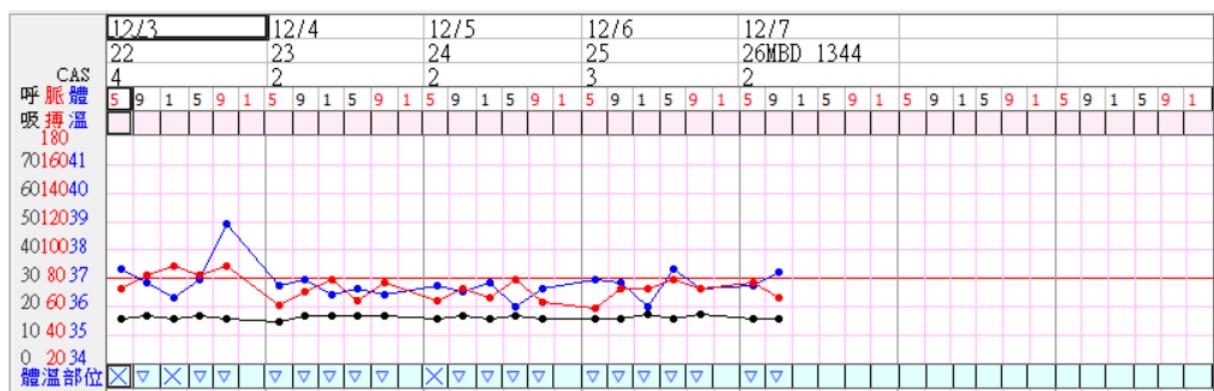
Add meropenem

病歷號	N	當下床號	2162-2	申請時間	110/11/28 18:15	<input type="button" value="前一筆"/>	<input type="button" value="後一筆"/>				
檢體編號	110M138101	檢體	Sputum	器官		簽收時間	110/11/28 19:44				
菌名		價數		菌落數		週數					
1	C05 Haemophilus parainfluenzae 副沙流感嗜血桿菌	++				確認時間	110/12/02 17:12				
2	U22 Normal mix flora	++					110/12/02 17:12				
<input type="button" value="列印"/> <input type="button" value="離開"/>											
菌序	【1】	【2】	【3】	【4】	【5】						
抗生素名稱	MIC(µg/mL)	SIR	MIC(µg/mL)	SIR	MIC(µg/mL)	SIR	MIC(µg/mL)	SIR	MIC(µg/mL)	SIR	
Chloramphenicol(C)		S									
Ampicillin(AM)		R									
Cefotaxime(CTX)		S									
Baktar(SXT)		S									
Augmentin(AMC)		R									
Cefuroxime(CXM)		S									
Levofloxacin(LVX)		R									

2021.11.30 CT



Clinical course - infection



Keep Anti clindamycin, moxifloxacin, Meropenem

110.12.07

MBD, OPD f/u

clindamycin, moxifloxacin

2021.12.27 CXR



Final diagnosis

- 1.RLL abscess with pneumonia, culture:
Streptococcus intermedius
- 2.Legionnaires' disease, urine legionella Ag positive

	檢體名稱	報告日期	檢驗項目	檢驗報告	單位	標準(低)	標準(高)
1	Urine-M. st	1101116	S.pneu. Ag	Negative			
2			L. pne. Ag	Positive			

病歷號	N	當下床號	2162-2	申請時間	110/11/16 14:16	←	→	前一筆	後一筆
檢體編號	110M132971	檢體	Lung aspirate	器官	簽收時間	110/11/16 14:54			
		菌名		價數	菌落數	週數	確認時間		
1	D44 Streptococcus intermedius 中間鏈球菌		++				110/11/19 17:16		Print