

DATE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

23/2

- Mild Pyrexia yesterday

- mildly icteric

Jeds ~ 1 1/2 + 1 1/2 TPM + Mg tabs

- Check U+E today

- Pre. Brown tube inserted.

Creatinine 241

Urea 12.1

24/2.92

On Fluconazole 12 days

Furantoin 3 days - Repeat urine no coliforms

Still occasional spike 7°

Next blood sample do a blood culture TPN screen

U+E

FSP. —

RESULT

25/2

For theatre today

Hopefully prior to final procedure

Also for cystoscopy + retrograde pyelogram.

Urine output still Satisfactory 5-600 mls.

Input ~ 900 mls

Still occasional spike low grade pyrexia

Blood cultures sent

MSUs from 22/2 No growth.

* Last dose cimetidine + cisapride Midday 24/2 *

MS

Na 142

K 4.6

Urea 11.7

Prot 72

Ca 2.73

052-023-044

AS - ROYAL

DA

CLINICAL HISTORY, EXAMINATION AND PROGRESS

25-2-92

GA Dr Taylor

lymurgy - mso

single neck catheter

for pyelogram

KS

ph probe parked in ureter

26/2

- good team

- W.G.

- Dr Vanite - has pit studies done today

Pyelography - catheter was bent - films not possible

- UFE

- TPN

- IV HCO₃

~ 27/2

may need a repeat Pyelography if ↑ BUN or ↑ creatinine

AS

26/2

Ask Mr Boston to do fundal plication ? next week

Perhaps he would repeat retrograde studies at same time

KS

27-2

Well

Get pH sent

16% pH < 4%

+ contact Mr Boston request opinion

Cathetering + IPN problem no

052-023-045

DATE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

27.2.92

VENOUS BLOOD GAS

PH 7.381

PCO₂ 36.0

PO₂ 73

BE - 2.3

HCO₃ 23.0

TPN screen sent

E. Clarke

28/2

- MR Dr M. Savage / v. Boston.

- MR Dr de Fendall / v. + Retrograde Pyelogram

next week

- GT large

Alfred Salu

28.2.92

PH 7.38

BES - 2.3.

Recall more clarity

Not found as staying here

1.3.92

Here for the day

3.08

Tg

↑

↓

Lipid & TPN from Madey

5.04

Chol

no

2/3/92

Awaiting Surgery arranged with Mr Boston

3/3

SIB Dr M. Savage

No change

052-023-046

AS - ROYAL

AS

DATE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

4/3

510Pm

Pyrexia/feverish
no localisationwould need CoR/ FBP/ Bloods/ Urine
to inform on damage and results are then.

Alan

4.3.92

CXR - lung fields clear. rotated? heart enlarged

FBP Hb 7.7

direct urine to pus cells

PCV 25

no organisms

WCC 8.7

urine from 3.3.92 150 pus cells
no growth.

PIT 305.

Temp settled since admission.

no further comment at present. await urine culture.

E. Clarke

5.3.92

Red Throat

TM's ✓

chest clear

Urine as above

Nitrofurantoin
Fusidazole.

check - urine

- Blood culture

- TPN screen

Keep temp systematically
await culture

Gr + K natals Madey. no

6/3/92

To not settled

[K] S.S. check +
adjust TPN concHypothermic once last night
Pink after 200ml packed cells

Well

052-023-047

AS - ROYAL

DATE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

9/3/92.

Asked to see

4:45 am

Vomiting throughout night

tube feeds stopped. on TPN (↑)

Temp ↑ 39

Slight wgn.

O/E Flushed Temp 39

Throat red ++

pulse 140bpm

LHS

RS clinically clear.

Δ Probable URTI.

abd soft non tender.

- Regular paracetamol

- Blood cultures ✓

- Check MSSU | Direct

GBrown (870)

9/3/92.

S/B Dr. Savage.

O/E Throat inflamed

TMs ✓

Chest clear

Check CXR.

Commence amoxycillin.

GBrown (870)

10/3

feels miserable

mouth - red. No noise

chest ✓

p - U+E. if ↑ B_u to ↓ TPN Protein to 1.0g/L

- 47 IU Antibodies

ASL

AS - ROYAL

052-023-048

Date

CLINICAL HISTORY, EXAMINATION AND PROGRESS

11/3

- to discuss i Prosthetics / Mr V. Becker about
tremulous maker.

- Check 486

- ↑ fluids by 100mls

ASL

12-3-92

Therapy
Continue fluids IV - 2 / saline

We NAO

Postponed Op till next week

12-3-92

1830

For surgery on Monday @ 0830 AM
provided apyrexia and throat clear
Sp + hold. Creat 223. Urea 24 stable

Mr Dr M. Savage

13/3/92

Sh'll has small doses of Pen.
well otherwise.

47 IU Benzylpenicillin

ASL

14/3/92

- Per Surg. on Monday
- Temp still slightly hot times

15/3

Defunct

gross been

for U/E/KP/urine

Surg. on Monday

AS - ROYAL

052-023-049

Fluoridification

ASL

DATE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

Hb 13.8

Na⁺ 148

PCV 44

K⁺ 4.4

WCC 10.8

Creat 123

Plat 236

urea 15

DATE 15/3/92.

GB

DATE	SURGEON	ANAESTHETICS
16/3/92	Smith	Johns

RA lymphadenitis

~~16/3/92~~

16/3/92

Seems peaceful
 No resp problems
 Epidural at present
 Fluids 40ml/hr 07N

H. J.

17/3/92

Agitated this morning - seems in pain
 despite the epidural

Fluid balance with +ve but some urine perhaps
 not collected

? commence TPN again today at 35mls/hr

Try small amounts oral fluids + gradually
 increase if tolerated

Chest clear. Some bowel sounds

Apixial
 HS

17.3.92

Epidural at 2.2 ml/hr. Working well.
 To bed on 1st 15mg.

I. Green.

052-023-050

TE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

23/3/92

Spiking pyrexias over W/E

Has had diarrhoea
as diarrhoea

Chest clear

ENT had

Abdomen soft

Most likely source seems urinary tract >1000 pus cells
+ fungi - has been on tertiary cephalosporin
* Needs U+E Creatinine FBP Ducc today
On oral fluconazole 1/v Amphotericin
* Should repeat blood + urine cultures + asen blood is
subcultured on Sabourauds medium

HL

Na⁺ 151 ↑

Hb 9.8

K⁺ 5.1

WCC

neutrophils 48

Urea 15.8 ↑

plat

lymph

creat 254 ↑

monocytes 3

eosinophils 7.

24 3 92.

Recheck U+E 1 day. (+ creatinine)

Loose stools yesterday x7. Irritable.

Na⁺ 150

WT ↓ 9.1 kgs from 9.6 kgs (intake unchanged)

K⁺ 4.4

Chest clear

Urea 15.2

ENT ✓

T.P 66

Abdomen ✓

creat 233

Discussion to see - I think he needs extra fluids to day.

Mother heard to take home but need to get U+E first.

Direct microscopy

220 pus cells

yeasts +.

AS - ROYAL

052-023-051

DATE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

④

U+E creatinine

B/P

⑤

Continue Cefuroxime

from

20/3/92

4/ Post-op

Can negotiate air

6/5

Now feeding 500mls

Needs ~ 900/day

Continue to 4 oral fluids

No vomiting

On Cefuroxime 1/1 but afebrile

Continue over W/G

Can go home by day

MS

21-3-92

Tolerating orals but febrile

850/day

Check wile - for sensitization

M

Still spiking pyrexias. Generally OK.

Urine yesterday 1/1 fungi

2/ >1000 pro cells

Suggest restart of fluconazole oral after repeat MSSU

• D/W - Dr Savage R 1/ IV amphotericin

2/ Stopping cefuroxime

Probably OK to go out for few hrs. to-day.

MS

* Send culture from central line for osp.

fungal culture

* started oral fluconazole 50mg daily

22/3

Temp settling. Feeding very well

052-023-052

Try off cefuroxime. Oral fluconazole

MS

Add

Anashe II. Ing. ad. hr.

CLINICAL HISTORY, EXAMINATION AND PROGRESS

17/3/92

Summary

Admitted to ICU yesterday for post op care following a fundoplication, which was required for a hiatal hernia & repeated vomiting. (Has been on TPN for many weeks)

Underlying probs. Born with congenital dysplastic kidneys on 4/8/91 at Bth wt 4940gm. Had mega ureter. Had ureteric reimplantation on 23/11/91 by Mr Brown. However he developed renal failure & needed bilateral ~~uretero~~ stomies. suprapubic cath. These however leaked peritoneal dialysis ^{fluid} around these catheters & silastic cath tube fell out. ~~requiring~~

Stent was removed 21/1/92. Suprapubic cath removed on 29/1/92. 11/2/92 DPTH scan showed no evidence of obstruction in renal system but there is evidence of deteriorating renal function. Was due for cystoscopy & retrograde pyelography yesterday at time of fundoplication but not performed (anaesthetic reasons)

Well today. Pain relief by epidural. For transfer to barrow will today

Givig

SWO

17/2/92

Transferred to Barrow Ltd.

temp ↑ 38°C

AS - ROYAL -

seems chesty

p/e p 120/80

t 38°C

052-023-053

HSE & IT 0

rt coar brach sound Throughout

nonverbal antibiotic

MSSU

I chest infection

chest & R

chest dx - 7 r markings (2) upper lobe

Commence cefotaxime 1 dose - 75mg/kg.
300mg b.d.

JH

18/3/92

"Chesty" some coughing
A little irritable

pyrexial. No local signs in chest this am
Throat red

CXR no major consolidation
- as Cefotaxime.

May need morphine infusion but would avoid this if possible

Regular paracetamol 4 hourly initially

Return to Margaret Rd

McSweeney

18/3/92

For Amb to Margaret Rd

long retention for urine

for quite powerful

has found some of these from urine

about 10 cells

JH

18/3/92

direct for msa - pure cells + organisms -

away culture from last night

052-023-054

19. Mar 92

Well

Afebrile

Taking 250ml PO yesterday - 900ml TPN

(1) Free oral fluids (allow up to TPN - 900)

(2) Morphine 0.1ml every 2 hrs give paracetamol

(3) Check urine cultures

AS - ROYAL

DATE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

25-3-92

S/B Dr. Savage

Check U+E / LFTs

Continue IV Amphotericin

Result Barium meal - Fundoplication is below diaphragm. No hold up of barium or reflux. Gastric emptying occurred readily

G Brown (872)

26-3-92

Frequent loose bowel motions

Change to mainly IV fluids for 24 hr N/S Saline in dextrose 40mls/hr. + allow 1-2 oz of milk if desired + ice cream or yogurt.

Reculture line + urine + motions

Repeat CXR.

Commence on cimetidine.

Continue antifungals.

HCS

LFTs T Bil 4

Alk phos 157 ↑

GGT 207 ↑

AST 25

ALT 150 ↑

Nat 152 ↑

K⁺ 3.4

Cl 123 ↑

CO₂ 13 ↓

D/W Dr. Dalzell.

For Renal USS ? obstructive nephropathy

Dr. Thomas - No evidence obstruction

no def. change from previous scan

G Brown

052-023-055

CLINICAL HISTORY, EXAMINATION AND PROGRESS

DATE

28.3.92

Much better
less irritable
Temp 6

ure yeasts
less cells

IMs -

Prot -

creat -

Arabo ✓

Ampho B

Flucanazole

After 4hr - free in table

note up to 90mm

= 5% decrease overnight

30.3.92

off feeds

Temp 6

for conq feeds & no waking while asleep

Flucanazole

Ampho B 8/7

check ure

Urea

U+E Venous asmp w CO₂

FBP PNCC

for

31.3.92

Bloods as above

remains irritable

sleeping +

Try giving Ampho at night in case

E. Clarke

affecting feeding

052-023-056

DATE	CLINICAL HISTORY, EXAMINATION AND PROGRESS			
31.3.92	VENOUS BLOOD GAS repeated			
	pH 7.08	pH 7.08		
	pCO ₂ 24	pCO ₂ 24.4		
	pO ₂ 52	pO ₂ 45		
	BE -20.6	BE -20.3		
	SBC 8.1	SBC 8.1		
	dw DR DALZEL			
	for IV Fluids & NaHCO ₃			
22.00	Serum v. acidic	pH 7.05	Na 140	
	Day	Bx -23.6	K 4.1	
BP ✓	Tachycardic.		U 9.1	
Feeding well ✓			Cr 269	
	For 1/2 correction i 30mmol 8.4% over 5 hrs			
	in 150ml 5% Dextrose			
	- learned fluid depleted greatly.			
	- correct regime with give 1400mls = 24 LIT.			
	- NO added K+			
	- Stop Ampicillin			
	- repeat bhip Biochem] 03.00.			
11.4.92	Admip + UTK repeated - await results.			pH 7.22
	Appears more settled			Bx 16.8.
1.4.92	Better than yesterday			
	Afebrile			
	Hydrated			
	wt 9.16kg.			
	AS - ROYAL			
	052-023-057			

DATE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

Resistant acidosis

Iv - 8.4% NaHCO₃ 5 ml tid.

- Continue 50 ml milk

20 ml 5% Dextrose

exit venous strip

pH = 7.29

CO₂ = 27.2O₂ = 45

Bicarb - 11.1

Std HCO₃ → 15.6- Keep high fluid intake for
further 24 hrsMg₂ =

Improving

2/4/92.

Much better form - sucking WT ↑

Continue parent Br regimen but stop N/A by
day + encourage oral feeds

MS

check

Biodex
strip
wine

this afternoon + review fluid requirements.

WT - 9.12 kg.

3.4.92

Iv High fluid input
ct flucanazole

= 12-1400 ml/day

check wine

4.4.92

Well this am.

Current Problems

052-023-058

- Poor feeding
- High fluid requirements
(ing fed)
- On NaHCO₃
- On flucanazole

AS - ROYAL

Wad 40.
3 1/2 mo.

DATE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

4.4.92 Check - Biochemistry
- HSC tomorrow

Allow away-day today no

5.4.92

Revert Yeast using infection responded
to Ampho HSC - NAD

- stop Fluconazole moder
- 1200 ml fluid - today
- Home for day
- Check skin.
- Revert 9.3.4 body + tomorrow

6.4.92

in good form

still not eating

Apyrexia

Weight today → 9.22 further ↓

check U+E FBP & VBG - 5.4.92 ✓

Rpt tomorrow

E. Clarke

7/4/92

Spiked pyrexia 39.5°C

- no focus of infection O/E

Septic work-up performed

Urine direct → NAD

Hb 8.3 wcc 8.7 PCV 0.26

052-023-059

CXR → NAD

Blood culture from central line + peripheral

blood culture

AS-ROYAL

Na 139 K⁺ 4.0 Urea 7.4 Cr 252

R.E. - 7.2 S.B. 17.9

DATE	CLINICAL HISTORY, EXAMINATION AND PROGRESS
------	--

Now settled and asleep

Temp ↓ 38°

- Rx symptomatically unless further clinical change
Fever

7/4/92
6am

called to see

still spiking temps and low grade pyrexia

respiratory work up badly done

central line some problems to ^{initially} bleed, earlier
but now blood OK.

ears ✓✓ throat - slightly inflamed

no neck stiffness. ? slight cough lymphaden

chest clear + abdomen soft.

we count was 8.7

was still a bit tachycardic earlier

?? infection from line - sent to microbiology

17.4

that is blood to prevent being more
radioactive

✓ amoxycillin

pic in am to results of culture from line

JM

052-023-060

7.4.92

unwell.

Spiking temps up to 40.

Line blocked this am.

urine - direct NAD

WCC 7.9.

Na 139.

K 4.0

U+E urea 7.4

creat 232

Central line Blood Culture from last pm +

? what bacteriologist to ring result.

DA. -	CLINICAL HISTORY, EXAMINATION AND PROGRESS
	↑ HCO ₃ to 7.5 mls bid.
	Informed surgeons about line
7/4	Septicaemia gm - r bacilli 1/v gentamicin 4/v Fluconazole Continue current 1/v regimen MS
8.4.92	Central line removed yesterday. on IV gent $\Rightarrow$ <u>Coliform septicemia</u> & IV Fluconazole.
	① for gentamycin levels today weight 9.88 kg. Appetite still poor. Temp. settled. E. Clarke.
9.4.92	u+E today Venous BG Na ⁺ 136 pH 7.42 K ⁺ 4.4 ID ₂ 35 Urea 6.1 D ₂ 55 Prot 62 B.E. -0.0 Creat 201 HCO ₃ 24.6.
	Temp remains settled. weight ↑ again. Gent levels done today. Plan ↓ NG feeds to 1100/24hrs Total. E. Clarke
10.4.92	well. 052-023-061 Trough Gent this am 2.2. needs peak & trough Sat am. E. Clarke.
19/4/92	W.R. a DC/AMS has a mild pyrexia, but otherwise is well. Chest ✓ Arter ✓ Abdom ✓

DATE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

↓ - 13 or ↓ genta to 13 mg bd
 - of high trough levels yesterday

- Check peak/trough today,

- GT sent to

Bel

4.92

- General been

- home for a few hours

Bel

12/4

- Trough genta level 4.2

peak 6.

- otherwise well

↓ - Don't want to check levels again in Am

13/4/92

Recent coliform septicaemia

On ~~NEB~~ Gentamicin 10mg BD.

to adjust

levels

Has been on gentamicin + Fluconazole for 5-6 days

Should continue gentamicin 10 days

Cont fluconazole

Night tube feeds Kangaroo Pump MS

U+E Satisf

Bel

14/4

- Genta

- day 8 of genta

- Pab +

Rest - same

↓ - levels of genta

- GT genta + 10v fluconazole

AS - ROYAL

052-023-062

Bel

DATE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

15/4

- day (9) of genta.

- afebrile.

- good feed

- gets about $2/3^{rd}$ or $4/9$ Kargers feed + $1/3^{rd}$ or oral feed
has had U+E + drug levels checked today

- stop genta tomorrow

- 47 long R

16/4

Trough Gentamicin 3.3

Peak 8.5

ASol

Stop today

Continue Fluconazole

Urea 6.5 Creatinine 250

Now better Appetite

Actually taking some food!

Home for Easter - night take food PN to keep up
to 900 mls

MS

8pm

① Bloods - Enterobacter Cloacae ② to Ampicillin

- as child is afebrile not started R

- awaiting full sensitivities

ASol

25/4/92
WmMother returned to ward because of irritability + pyrexia
with cough overnight.

Few rhinchi

Throat + ears clear

Check MSSU + CXR.

→ no change compared to 10/4/92.

In view of ↑ res rate - check astamp. If acidosis ↑ oral NaHCO₃If few cells in urine start oral Keflex - if ~~dehydrating~~ ^{dehydrating} ~~excretory~~ ^{excretory}
Administ. ~~all requests to CV taken~~

FBP + Blood cultures taken

052-023-063

150 pus cells in direct - start oral Keflex - if clinically
worse or vomits start IV Chloram

AS - ROYAL

DATE	CLINICAL HISTORY, EXAMINATION AND PROGRESS
20/4/92	Adam Strain 8/12 DOB 4-8-91.
1)	DIC - 16/4/92 - Adm c uniform septicaemia ON DIC { Na 142, K 4.7, urea 6.5 CR 233 { Hb = 9 Wc = 10.6 Pl 253 { on septrim. fluconazole.
2)	Fundoplication 17/3/92
3)	seen @ OP 17/4/92 - well.
	last 24hrs irritable, rubbing @ eyes, crying • pyrexia.
	no cough or URT problems
	no vomiting
	loose BM no diarrhoea.
	Puling ✓ not ↑ colour or smell.
	feeding. drinking well.
	not pulling @ ears.
	DH { NaHCO ₃ 7.5mls tid. { Seprim 240mg nocte. { fluconazole mane. { Para P.R.N.
	OK - well perfused, warm, pale, comfortable.
	T = 37°C (was 38.5°C this A.M.)
	not clinically dehydrated
	no evidence meningism - no neck stiffness
	CVS PR = 140 SR 2HS no (M) fems ✓✓
	RS { no distress
	{ no indrawing
	{ RR = 30
	{ AE R = L trans. sounds
	{ miv added.
	052-023-064 -

AS - ROYAL

DA. _

CLINICAL HISTORY, EXAMINATION AND PROGRESS

Abd- soft, n-t, B.S, scars.

IMP- ? UTI

B/C ✓

PLAN - FBP- Hb=8.1 PCV 25 Wc=11.1 PL 315

UE - Na 150, K 2.9, Cl 117, Urea 12.1
Cr=296.Ven. Asmp { pH=7.36 pO₂ 21 BE -9.8
HCO₃ 17 PO₂ 55.urine { 140 pus cells
few org^mstart keflex 0.25 bd stop septum
Xr- ✓D/W Reg - start Kayal L^c feeds 1mmol/kg
(wt 9kg) - recheck UE this P.M
- fluids ⊕ - drinking well @ present
Khan / SK20/4/92 - Has been having "watery bowel motions" x 4
4.50pm no vomitingstarted on oral keflex this a.m. + 1c+
supplements.

O/E Pale Pyrexial Temp 37.6°

chest clear

ENT normal

Abd. soft ° masses ° tenderness

↑ B.S ++

- ? Gastroenteritis or GIT upset as 2° to
sepsis elsewhere.

Plan ① I.V cannula inserted - commence I.V.

Fluids 18% saline / 5% Dextrose 40ml/h
initially.

052-023-065

② I.V. Cefotaxime pending cultures

AS-ROYAL

DATE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

③ Can have clear fluids orally if
Nausea

④ stool C+S

⑤ repeat U+E

7pm

repeat U+E

Na 150

K⁺ 3.2

Urea 11.7

Creat 285

- change IV fluid to 10% Dextrose & add

K⁺ 3mmol/Kg/24hrs

i.e. 15 mmol to 10% Dextrose

21/4/92 -

01.00AM

Na 146

K 6.2 * (not haem)

Urea 10.2

cont 10% dextrose

stop K⁺ overnight

refresh U+E AM

M. Hall

21/4/92

In good form.

~~No further dx~~

O/E asymptotic

diarrhoea & 2 last night

Abcd - NAD.

GAS p. chills - clear

reintroduce 1/2 strength feeds

et U+E ✓

continue IV dextrose

J. H.

AS - ROYAL

052-023-066

DATE

CLINICAL HISTORY, EXAMINATION AND PROGRESS

20/4/76

Ment improved

Brighter, responsive

m of strength back but reluctant to feed
m NG feed tonight

Mx try to get results of urine DTG + blood culture

CT in claps today

WTE ✓ yesterday

urine - no result yet

blood culture → ? strep

claps should be OK but if any problems change to
suppuration + fungal culture.

→ urine - no significant

21/4/76

Remains responsive

still reluctant to feed.

try to get blood culture result

CT in claps

23/4

- Pyrexia settled.

- m EIV claps on.

- all cultures sterile.

- lapable, gets 807g feeds via right TF tube

WTA

I - CT done for

- WTE

052-023-067

AS - ROYAL

23/4/76

Blood culture → streptococcus - mostly viridans

? contaminant

A. Sahn

DATE	CLINICAL HISTORY, EXAMINATION AND PROGRESS
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24/4

Afebul

Good balance

Still not feeding v. well.

1 47 hours

27/4.

Yesterday diarrhoea back but feeding well then + today

T^o 38 this am and 38.2 yesterday

settled with Calpol.

Still cross today

Culture blood

urine

faeces

U+E - check direct microscopy.

Allow home on Keflex + fluconazole^{etc.} if U+E seem OK

che

HS

29/4/02

- Mum worried about diarrhoea. x 3 days

- loose, watery stools. No blood or mucus. Had 9 loose stools yesterday

- no vomiting. afebul

- oral intake yesterday 15wds and today has taken 5wds

- most of his oral intake is milk, with some fruit juice

afebul

wt. = 10.1 Kgs

PR - 46mlr under arm abn

Urine OK on 27/4/02 - No growth

WT

AS - ROYAL

AS - ROYAL

052-023-068

DW Dr Long

check with

For immsun 0.5mg (2.5ml) 2x

on work on Friday

No 108

K 3.8

Urea 11.3

Pro 77

Crat 2.0