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Appendix

Gentamicin Record Data

Gentamicin data record

Every 8 hours treatment.

Name Female Age 61 yr. Weight 45 kg. Height 155 cm. Dx UTI
 Gentamicin 60 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 4.0 mg/kg.
 To treated UTI from Enterococci sensitive gentamicin and ceftriaxone.

Combine with Ceftriaxone 1 gm. iv ever 12 hr.Adjusted dose ⊗ yes. O no. 40 mg.1. Efficacy ⊗ yes. O no. 2. Duration of treatment 14 days. (23/11/95 - 7/12/95)

dd/11/95	23	24	25	26	27*	28	29	30
t (°c)	39.3	39.0	39.1	38.5	38.2	38.0	36.5	37.3
wbc	31.1			28.8		25.0		
c/s	u/c Enterococci h/c -			u/c - h/c -				
Blood								
BUN	13			19		18		15
Cr	1.2			1.8		1.7		1.4
Troug				2.5				2.1
Peak				5.7				4.1
Na	138			140		141		141
K	3.6			3.2		3.2		3.2
Cl	100			96		98		96
Co	19			24		21		20
Urine								
Protein	+1			+2		+2		+1

dd/12/95	1/12	2	3	4	5	6	7	8
t (°c)	38.0	36.1	37.6	37.0	37.3	36.9	36.5	37.5
wbc	14.3		11.0			9.4		
c/s	u/c -, h/c -		u/c -, h/c -			u/c -, h/c -		
Blood								
BUN		14		15		15		13
Cr		1.4		1.5		1.5		1.4
Troug								
Peak								
Na		140		138		139		
K		3.4		3.6		3.7		
Cl		101		101		100		
Co		24		24		22		
Urine								
Protein		+1		+1		+1		

3. Nephrotoxicity ⊗ yes. O no. D/C 9/12/95

Other medication - paracetamol (500) 2 tablets prn. for fever.

- paracetamol 1 ampule stat.
- diazepam (2) 1*3 pc.
- bisacodyl 1 tablet for constipation
- ranitidine (50) inj.

4. other adverse drug reaction --

: monitoring gentamicin blood level and clinical sign closely because nephrotoxicity may be increased if cephalosporin and gentamicin are treated together.

Gentamicin data record

Every 8 hours treatment.

Name 2 Female Age 31 yr. Weight 58 kg. Height 158 cm. Dx UTIGentamicin 60 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 3.1 mg/kg.To treated UTI from Enterococci sensitive gentamicin.

Combine with --

Adjusted dose ⊗ yes. O no. 40 mg.1. Efficacy ⊗ yes. O no. 2. Duration of treatment 14 days. (9/8/95 - 23/9/95)

dd/08/95	9	10	11	12	13	14	15	16
t (° c)	39.1	39.6	39.3	38.6	38.5	38.3	36.6	37.1
wbc	25.0			13.0				9.6
c/s	u/c Enterococci h/c -			u/c- h/c-				
<u>Blood</u>								
BUN	18		20			23		
Cr	0.9		1.0			1.2		
Troug			1.2					
Peak			4.4					
Na	138		140			140		
K	3.6		3.5			3.4		
Cl	98		96			95		
Co	18		16			15		
<u>Urine</u>								
Protein	--		--			--		

dd/08/95	17	18*	19	20	21	22	23
t (° c)	37.2	37.9	36.0	37.0	36.5	36.9	36.7
wbc	0.21					0.1	
c/s	u/c- h/c-					u/c- h/c-	
<u>Blood</u>							
BUN	28			23		19	
Cr	1.5			1.3		1.0	
Troug	2.9			2.0			
Peak	6.8			4.5			
Na	142			140		140	
K	3.2			3.4		3.5	
Cl	95			99		101	
Co	15			18		20	
<u>Urine</u>							
Protein	+2			+1		+1	

3. Nephrotoxicity ⊗ yes. O no. D/C 24/9/95

Other medication - paracetamol (500) 2 tablets prn. for fever.

- diazepam (5) 1 tablet hs for insomnia.

- ranetidine (50) inj.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Gentamicin data record

Every 8 hours treatment.

Name 3 Female Age 67 yr. Weight 33 kg. Height 157 cm. Dx CVA, RHD, MS, AF

Gentamicin 50 mg. iv drip in 0.5 hr. O OD @ q 8 hr. Dose 4.5 mg/kg.

To treated urinary tract infection from *E.coli* sensitive gentamicin and ampicillin.

Combine with Ampicillin 2 gm. iv ever 6 hr.

Adjusted dose yes. no. 30 mg.1. Efficacy yes. no. 2. Duration of treatment 15 days. (17/10/95 - 31/10/95)

dd/10/95	17	18	19	20	21*	22	23	24
t (° c)	37.0	36.8	36.0	36.0	37.3	37.1	36.8	37.0
wbc	13.1			7.6				7.1
c/s	u/c <i>E.coli</i> h/c -			u/c <i>E.coli</i>				u/c - h/c -
<u>Blood</u>								
BUN	2.0			25				20
Cr	1.0			1.4				1.1
Troug				2.3				2.0
Peak				5.2				4.1
Na	136			140				138
K	4.0			3.7				3.8
Cl	103			103				100
Co	25			26				22
<u>Urine</u>								
Protein	--			--				--

dd/10/95	25	26	27	28	29	30	31
t (° c)	37.0	37.1	37.5	37.0	37.2	37.0	37.0
wbc		6.5			6.0		6.2
c/s		u/c -, h/c			u/c -, h/c -		u/c -, h/c -
<u>Blood</u>							
BUN		22			23		24
Cr		1.2			1.3		1.4
Troug							
Peak							
Na		140			140		139
K		3.9			3.7		3.7
Cl		101			103		100
Co		22			23		21
<u>Urine</u>							
Protein		--			--		--

3. Nephrotoxicity yes. no. D/C 1/11/95

Other medication - enalapril (25) 1/2 tablet bid pc.

- lanoxin (0.25) 1/2 tablet od.

- isoket (10) 1 tablet tid pc.

- furosemide (40) 1/2 tablet od.

- vitamin b₁₋₆₋₁₂ 1 tablet tid pc.

- 10% kcl elixir 30 ml. stat. 2 days.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. Gentamicin and furosemide may possibly synergistic auditory toxicity so monitoring of hearing should be tested.

Gentamicin data record

Every 8 hours treatment.

Name 4 Female Age 52 yr. Weight 47 kg. Height 160 cm. Dx UTI, skin ulcer

Gentamicin 40 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 2.55 mg/kg.

To treated urinary tract infection from mix organism growth.

Combine with Augmentin 1.2 gm. iv ever 8 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 10 days. (8/12/95 - 17/12/95)

dd/12/95	8	9	10	11	12	13	14	15	16	17
t (°c)	38.9	37.8	38.5	38.3	37.6	37.9	38.2	37.5	37.2	36.9
wbc	14.5				11.5				9.4	
c/s	u/c - mix organism				u/c -				u/c -	
					h/c -				h/c -	

3. Nephrotoxicity O yes. ⊗ no. D/C 18/12/95

Blood									
BUN	23				22				22
Cr	1.2				1.1				1.1
Troug					1.7				
Peak					4.8				
Na	138				139				136
K	3.6				3.4				3.4
Cl	101				98				100
Co	21				19				20
Urine									
Protein	+1				--				--

Other medication. - ranitidine (50) iv push ever 8 hours.

- paracetamol (500) 2 tablets every 4 hours for fever.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function.

Gentamicin data record

Every 8 hours treatment.Name ♀ Female Age 47 yr. Weight 55 kg. Height 150 cm. Dx DM, hypertension, bed sore.Gentamicin 50 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 2.7 mg/kg.To treated urinary tract infection from Klebsiella spp. sensitive gentamicin and ceftriaxone.Combine with Ceftriaxone 1 gm. iv ever 12 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 11 days. (20/12/95 - 30/12/95)

dd/12/95	20	21	22	23	24	25	26	27	28	29	30
t (°c)	38.9	38.4	38.7	37.9	38.2	37.1	37.8	37.6	37.4	37.0	36.5
wbc	14.0			12.5					9.8		
c/s	u/c <i>Klebsiella spp.</i> , h/c -			u/c - h/c -					u/c - h/c -		

3. Nephrotoxicity O yes. ⊗ no. D/C 30/12/95

<u>Blood</u>										
BUN	21			19					16	
Cr	1.2			1.1					0.8	
Troug				1.2						
Peak				4.8						
Na	132			136					140	
K	3.8			3.4					3.6	
Cl	108			101					98	
Co	20			17					22	
<u>Urine</u>										
Protein	+1			--					--	

Other medication. -- humulin-r 5 units subcutaneous injection stat.

-- ranetidine (50) iv.push every 8 hr.

-- paracetamol iv. stat./

-- glibenclamide (5) 1/tablet tid ac.

-- propranolol (10) 1 tablet od.

4. other adverse drug reaction --

: monitoring gentamicin blood level and clinical sign closely because nephrotoxicity may be increased if cephalosporin and gentamicin are treated together.

Gentamicin data record

Every 8 hours treatment.

Name 6 Female Age 41 yr. Weight 55 kg. Height 160 cm. Dx UTIGentamicin 80 mg. iv drip in 0.5 hr. O OD @ q 8 hr. Dose 4.0 mg/kg.To treated UTI from Enterococci spp. sensitive gentamicin.

Combine with --

Adjusted dose yes. no. 50 mg.1. Efficacy yes. no. 2. Duration of treatment 7 days. (28/12/95 - 4/1/96)

dd/12/95	28	29	30	31	1*	2	3	4	5	6
t (°c)	39.2	38.4	39.0	39.1	38.4	37.0	37.1	37.2	37.3	37.2
wbc	21.0			19.0		15.0		9.8		9.8
c/s	u/c <i>Enterococci</i> <i>spp.</i>			u/c - h/c -		u/c - h/c -		u/c - h/c -		

3. Nephrotoxicity yes. no. D/C 7/1/96

Blood										
BUN	18			22		20		19		16
Cr	1.5			1.7		1.6		1.4		1.2
Troug				2.1			1.3			
Peak				4.8			3.1			
Na	140			139		138		137		137
K	3.9			3.6		3.5		3.2		3.4
Cl	101			99		98		96		100
Co	21			22		20		17		20
Urine										
Protein	+2			+2		+2		+1		+1

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- domperidone 1 tablet tid ac.

-- folic acid 1 tablet od.

-- metoclopramide 1 ampule prn for nausea and vomiting every 6 hr.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Gentamicin data record

Every 8 hours treatment.

Name 7 Female Age 68 yr. Weight 45 kg. Height 158 cm. Dx UTIGentamicin 60 mg. iv drip in 0.5 hr. O OD @ q 8 hr. Dose 4.0 mg/kg.To treated urinary tract infection from E.coli and Klebsiella spp. sensitive gentamicin and ampicillin.Combine with ampicillin 1 gm. iv ever 6 hr.Adjusted dose ⊗ yes. O no. 40 mg.1. Efficacy ⊗ yes. O no. 2. Duration of treatment 11 days. (9/10/95 - 20/10/95)

dd/10/95	9	10	11	12	13	14	15	16	17 *	18	19	20
t (°c)	39.2	38.8	38.5	39.0	38.2	37.1	38.9	37.5	38.6	37.4	37.9	37.2
wbc	18.0			15.2				12.0				9.6
c/s	u/c <i>E.coli</i> <i>Klebsiella spp.</i>			u/c - <i>E.</i> <i>coli</i>				u/c- h/c-				u/c- h/c-

3. Nephrotoxicity ⊗ yes. O no. D/C 21/10/95

Blood												
BUN	11			13				16				13
Cr	0.9			1.0				1.4				1.2
Troug				1.7				2.8			2.2	
Peak				3.6				5.9			4.1	
Na	135			138				140				139
K	3.8			3.4				3.4				3.5
Cl	96			98				100				101
Co	17			19				21				22
Urine												
Protein	--			--				+1				+1

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Gentamicin data record

Every 8 hours treatment.

Name 8 Female Age 60 yr. Weight 46 kg. Height 155 cm. Dx DM, hypertension

Gentamicin 60 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 3.9 mg/kg.

To treated urinary tract infection from mix organism growth.

Combine with cloxacillin 1 gm. iv ever 4 hr.

Adjusted dose ⊗ yes. O no. 40 mg.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 16 days. (11/9/95 - 27/9/95)

dd/9/95	11	12	13	14	15	16	17	18
t (°c)	39.8	39.1	38.4	39.2	39.0	38.5	38.8	37.2
wbc	22.0			20.5		18.0		
c/s	u/c mix organism			u/c - h/c -		u/c - h/c -		
<u>Blood</u>								
BUN	15			16		18		22
Cr	0.9			1.0		1.2		1.4
Troug				1.8				2.8
Peak				4.1				6.3
Na	138			140		139		137
K	3.7			3.5		3.3		3.2
Cl	97			96		98		100
Co	20			19		21		20
<u>Urine</u>								
Protein	--			--		--		+1

dd/9/95	19*	20	21	22	23	24	25	26	27
t (°c)	38.2	38.5	38.0	37.9	37.2	37.9	37.2	37.1	37.3
wbc			12.5				10.0		9.3
c/s			u/c - h/c -				u/c - h/c -		u/c - h/c -
<u>Blood</u>									
BUN			19				15		14
Cr			1.2				1.0		1.0
Troug			2.0						
Peak			4.6						
Na			136						138
K			3.8						3.7
Cl			100						98
Co			22						20
<u>Urine</u>									
Protein			+1						+1

3. Nephrotoxicity ⊗ yes. O no. D/C 28/9/95

Other medication. -- humulin-r 10 units subcutaneous injection stat.

-- paracetamol (500) 2 tablets every 4 hr. for fever.

-- propranolol (40) 1 tablet od.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Gentamicin data record

Every 8 hours treatment.

Name ♀ Female Age 78 yr. Weight 40 kg. Height 155 cm. Dx UTI, diffuse encephalopathy.

Gentamicin 40 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 3.0 mg/kg.

To treated urinary tract infection from *Klebsiella spp.* sensitive gentamicin.

Combine with --

Adjusted dose O yes. ⊗ no.

1. Efficacy O yes. ⊗ no. 2. Duration of treatment 3 days. (2/7/95 - 4/7/95)

dd/7/95	2	3	4
t (°c)	38.0	38.3	37.7
wbc	15.5		15.0
c/s	u/c <i>Klebsiella spp.</i> , h/c-		u/c <i>Pseudomonas aeruginosa</i>

3. Nephrotoxicity O yes. ⊗ no. D/C 18/7/95

Blood			
BUN	27		21
Cr	0.9		0.9
Troug			2.4
Peak			4.6
Na	142		143
K	3.9		3.9
Cl	105		104
Co	22		25
Urine			
Protein	--		--

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function

Gentamicin data record

Every 8 hours treatment.

Name 10 Female Age 20 yr. Weight 42 kg. Height 157 cm. Dx sepsis. IHD. hypophosphatemia
Gentamicin 40 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 2.9 mg/kg.

To treated urinary tract infection from *E.coli* sensitive gentamicin and cloxacillin.

Combine with cloxacillin 1 gm. iv ever 6 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy O yes. ⊗ no. 2. Duration of treatment 4 days. (14/7/95 - 18/7/95)

dd/7/95	14	15	16	17	18
t (° c)	37.5	38.3	38.8	38.7	39.3
wbc	24.2		23.0		20.0
c/s	u/c <i>E.coli</i> h/c <i>E.coli</i>		u/c <i>E.coli</i> h/c <i>E.coli</i>		u/c <i>E.coli</i> h/c <i>E.coli</i>

3. Nephrotoxicity O yes. ⊗ no. dead 18/7/95

Blood					
BUN	45		50		60
Cr	1.3		1.3		1.4
Troug				2.1	
Peak				6.8	
Na	135		132		131
K	2.8		3.0		4.0
Cl	104		103		101
Co	19		17		15
Urine					
Protein	--		--		--

Other medication. -- albumin 50 ml. iv. drip in 2 hr. stat.

-- lasix 40 mg. iv. stat after albumin finished.

-- 3% kcl elixir 30 ml. feed qid pc.

-- adrinerline 1 ampule iv. stat.

-- NaHCO₃ 50 ml. iv. stat.

-- dopamine (1: 1) iv. 15 microdrops/min.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by cloxacillin appears to be related to decreased renal function . Gentamicin and furosemide may possibly synergistic auditory toxicity so monitoring of hearing sholud be tested.

Gentamicin data record

Name 11 Female Age 70 yr. Weight 58 kg. Height 157 cm. Dx UTI
 Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.1 mg/kg.
 To treated urinary tract infection from E.coli sensitive gentamicin.
 Combine with cloxacillin (500) 1 tablet qid ac+hs.
 Adjusted dose O yes. no.

1. Efficacy yes. no. 2. Duration of treatment 12 days. (10/7/95 - 22/7/95)

dd/7/95	10	11	12	13	14	15	16	17	18	19	20	21	22
t (°c)	39.2	38.6	38.5	38.8	39.1	38.4	38.2	37.7	38.2	38.9	39.0	39.1	38.5
wbc	15.5				12.7					12.5			11.0
c/s	u/c <i>E.coli</i> h/c -				u/c - h/c -					u/c - h/c -			u/c - h/c -

3. Nephrotoxicity Oyes. no. D/C 10/8/95

Blood													
BUN	25			24		17				18			20
Cr	1.7			1.7		1.0				1.1			1.1
Troug				2.0									
Peak				3.8									
Na	140					142				140			138
K	3.4					3.2				3.5			3.7
Cl	101					105				99			98
Co	19					22				21			24
Urine													
Protein	--					+1				--			--

Other medication -- paracetamol (500) 2 tablets every 4 hours for fever.
 -- diazepam (5) 1 tablet for insomnia.
 -- ranitidine 50 mg iv. every 8 hours.
 -- cloxacillin (500) 1 capsule qid ac+hs.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function .

Gentamicin data record

Name 12 Female Age 59 yr. Weight 39 kg. Height 155 cm. Dx DM, UTI with sepsis

Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.9 mg/kg.

To treated urinary tract infection with sepsis from E.coli sensitive gentamicin.

Combine with ceftriaxone 1 gm. iv ever 12 hr.

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 14 days. (12/09/95 - 25/09/95)

dd/09/95	12	13	14	15	16	17	18	19	20	21	22	23	24	25
t (°c)	39.1	38.2	38.8	38.1	37.9	38.6	38.2	37.6	38.0	38.0	37.4	37.9	37.2	37.1
wbc	18.9			16.4		15.5			10.5					8.7
c/s	u/c <i>E.coli</i> h/c -			u/c - h/c -		u/c - h/c -			u/c - h/c -					u/c - h/c -

3. Nephrotoxicity yes. no. D/C 26/09/95

Blood														
BUN	19			22		20			23					22
Cr	0.9			1.0		1.0			1.2					1.2
Troug				1.5										
Peak				7.5										
Na	138			136					140					142
K	3.9			3.4					3.2					3.4
Cl	100			97					98					101
Co	19			22					23					22
Urine														
Protein	--			--					+1					--

Other medication. - humulin-r 10 unit stat.

- ranetidine 50 mg. iv. every 8 hours.

- paracetamol (500) 2 tablets every 6 hours for fever.

4. other adverse drug reaction --

: monitoring gentamicin blood level and clinical sign closely because nephrotoxicity may be increased if cephalosporin and gentamicin are treated together.

Gentamicin data record

Name 13 Female Age 69 yr. Weight 65 kg. Height 160 cm. Dx DM, UTI, hypertension.

Gentamicin 70 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 3.2 mg/kg.

To treated urinary tract infection from E.coli sensitive gentamicin.

Combine with --

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 11 days. (18/09/95 - 29/09/95)

dd/095	18	19	20	21	22	23	24	25	26	27	28	29
t (°c)	38.9	38.2	39.2	37.5	38.8	38.2	37.1	37.6	37.9	37.1	36.5	37.2
wbc	21.0				17.3				10.5			9.6
c/s	u/c <i>E.coli</i> h/c -				u/c - h/c -				u/c - h/c -			u/c - h/c -

3. Nephrotoxicity O yes. ⊗ no. D/C 30/09/95

Blood												
BUN	20				23				20			25
Cr	1.0				1.1				1.1			1.2
Troug					1.2							
Peak					6.9							
Na	138				140				143			140
K	3.9				3.5				3.5			3.6
Cl	101				98				96			102
Co	19				21				21			20
Urine												
Protein	+1				--				--			--

Other medication. - humulin-r 8 unit subcutaneous injection stat.

- propranolol (10) 1 tablet tid. pc.

- paracetamol (500) 2 tablets every 6 hours for fever.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Gentamicin data record

Name 14 Male. Age 28 yr. Weight 62 kg. Height 170 cm. Dx UTI
 Gentamicin 60 mg. iv drip in 0.5 hr. O OD \otimes q 8 hr. Dose 2.9 mg/kg.

To treated UTI from mix organism growth.

Combine with ampicillin 2 gm. iv every 6 hr.

Adjusted dose O yes. \otimes no.

1. Efficacy O yes. \otimes no. 2. Duration of treatment 8 days. (9/11/95 - 17/11/95)

dd/11/95	9	10	11	12	13	14	15	16	17	18
t (°c)	38.9	38.1	38.5	38.0	38.9	38.1	37.9	39.1	39.2	38.5
wbc	22.0			18.0			10.0		9.0	
c/s	u/c <u>mix organism</u>			u/c - h/c -			u/c - h/c -		u/c - h/c -	

3. Nephrotoxicity O yes. \otimes no. D/C 29/11/95

Blood									
BUN	25			27					30
Cr	0.9			0.9					1.2
Troug				0.5					
Peak				3.2					
Na	136			135					138
K	3.0			3.2					3.9
Cl	99			96					100
Co	20			21					23
Urine									
Protein	--			--					--

Other medication. - potassium chloride elixir 30 ml. stat.
 - ranitidine 50 mg. iv. every 8 hours .
 - paracetamol (500) 2 tablet every 4 hours for fever.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function .

Gentamicin data record

Every 8 hours treatment

Name 15 Male Age 25 yr. Weight 48 kg. Height 170 cm. Dx UTI, febrile neutropenia.Gentamicin 60 mg. iv drip in 0.5 hr. O OD @ q 8 hr. Dose 3.75 mg/kg.To treated urinary tract infection from Staphylococcus spp. sensitive gentamicin.

Combine with PGS 2 million units every 4 hours.

Adjusted dose yes. no. 40 mg1. Efficacy yes. no. 2. Duration of treatment 11 days. (7/10/95 - 18/10/95)

dd/10/95	7	8	9	10	11	12*	13	14	15	16	17	18
t (°c)	39.6	38.4	39.0	38.1	38.0	38.2	37.1	37.1	38.5	38.2	37.4	36.5
wbc	8.5			8.0				6.8				6.5
c/s	u/c <i>Staphylococcus spp.</i>			u/c - h/c -				u/c - h/c -				u/c - h/c -

3. Nephrotoxicity yes. no. D/C 19/10/95

Blood												
BUN	19			24				20				19
Cr	0.9			1.4				1.1				0.8
Troug					4.2			3.1				
Peak					7.5			4.0				
Na	140			137				138				135
K	3.5			3.8				3.6				3.5
Cl	97			101				100				99
Co	22			20				20				23
Urine												
Protein	--			+1				+1				--

Other medication. -- paracetamol (500) 2 tablets every 4 hours for fever.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function .

Gentamicin data record

Every 8 hours treatment.

Name 16 Male Age 23 yr. Weight 53 kg. Height 170 cm. Dx Heroin addict, fever arthragia.

Gentamicin 70 mg. iv drip in 0.5 hr. O OD @ q 8 hr. Dose 4.0 mg/kg.

To treated urinary tract infection from Acinetobacter spp. sensitive gentamicin and ampicillin.

Combine with cloxacillin 2 gm. iv ever 4 hr.

Adjusted dose yes. no. 50 mg.

1. Efficacy yes. no. 2. Duration of treatment 6 days. (7/06/95 - 13/06/95)

dd/06/95	7	8	9	10	11*	12	13
t (°c)	39.2	38.0	40.0	37.0	38.0	39.4	39.5
wbc	10.5			9.2			11.7
c/s	u/c <i>Acinetobacter spp.</i> h/c -			u/c <i>Acinetobacter spp.</i> h/c -			u/c - h/c -

3. Nephrotoxicity yes. no. D/C 1/07/95

Blood						
BUN	18			24		20
Cr	0.9			1.3		1.1
Troug				2.1		1.7
Peak				4.0		2.9
Na	138			142		140
K	3.1			3.5		3.8
Cl	111			109		108
Co	17			23		22
Urine						
Protein	--			--		+1

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

- ranetidine (50) iv.push every 8 hr.
- potassium chloride elixir 30 ml. stat.
- peck red cell 2 unit stat.
- furosemide 40 mg. iv. stat.
- vitamin k 10 mg. iv. stat.
- piriton 1 ampule iv. stat.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by cloxacillin appears to be related to decreased renal function . Gentamicin and furosemide may possibly synergistic auditory toxicity so monitoring of hearing sholud be tested.

Gentamicin data record

Every 8 hours treatment.Name 17 Female Age 29 yr. Weight 45 kg. Height 155 cm. Dx. LBP with CVA, PID, leukopenia.Gentamicin 60 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 4.0 mg/kg.To treated fever of undetermined origin.Combine with PGS 5 millionunits iv ever 6 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy O yes. ⊗ no. 2. Duration of treatment 12 days. (29/06/95 - 10/07/95)

dd/06/95	29	30	1/07	2	3	4	5	6	7	8	9	10
t (°c)	39.8	38.3	39.1	37.6	38.9	39.0	38.3	39.6	39.0	39.2	38.8	38.5
wbc	17.0			13.0			15.0			13.2	15.5	
c/s	u/c - h/c -			u/c - h/c -			u/c - h/c -				u/c - h/c -	

3. Nephrotoxicity O yes. ⊗ no. D/C 11/07/95

Blood												
BUN	20			25			24			25		25
Cr	1.7			1.8			1.7			1.6		1.7
Troug				2.0								
Peak				3.8								
Na	140			141			141			142		143
K	3.2			3.4			3.3			3.3		3.4
Cl	92			97			97			97		98
Co	35			29			28			28		30
Urine												
Protein	--			+1			+1			--		--

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- paracetamol 1 ampule iv. stat.

-- ranetidine (150) 1 tablet bid.pc.

-- diclofenac (25) 1 tablet tid.pc.

-- norgesic 1 tablet tid.pc.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Gentamicin data record

Every 8 hours treatment.

Name 18 Female Age 30 yr. Weight 63 kg. Height 165 cm. Dx Upper gastrointestinal tract bleeding.
Gentamicin 60 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 2.9 mg/kg.

To treated fever of undetermined origin.

Combine with ampicillin 1 gm. iv ever 6 hr.

Adjusted dose ⊗ yes. O no. 40 mg.

1. Efficacy O yes. ⊗ no. 2. Duration of treatment 6 days. (4/08/95 - 09/08/95)

dd/08/95	4	5	6	7*	8	9
t (°c)	38.9	38.5	39.0	38.7	38.9	38.5
wbc	16.8		13.0			11.3
c/s	u/c - h/c -		u/c - h/c -			u/c - h/c -

3. Nephrotoxicity O yes. ⊗ no. D/C 30/08/95

Blood					
BUN	18		20		18
Cr	1.3		1.4		1.3
Troug			2.2		2.0
Peak			4.8		3.3
Na	145		142		139
K	3.8		3.8		3.7
Cl	124		117		110
Co	16		17		16
Urine					
Protein	--		--		--

Other medication. -- ranitidine (50) iv.push every 8 hr.

-- lactulose 15 ml. tid. pc.

-- vitamin k 10 mg. iv. od.

-- peck red cell 4 unit stat.

-- kayexalate 40 mix with 200 ml. of water stat.

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function . With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Gentamicin data record

Every 8 hours treatment.

Name 19 Female Age 27 yr. Weight 60 kg. Height 162 cm. Dx. Unstable angina.Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.0 mg/kg.

To treated fever of undetermined origin.

Combine with --

Adjusted dose yes. no. 50 mg.1. Efficacy yes. no. 2. Duration of treatment 7 days. (19/07/95 - 25/07/95)

dd/07/95	19	20	21	22	23*	24	25
t (°c)	39.3	38.6	39.1	38.2	37.8	37.5	37.2
wbc	14.0			12.5			8.5
c/s	u/c - h/c -			u/c - h/c -			u/c - h/c -

3. Nephrotoxicity yes. no. D/C 26/07/95

<u>Blood</u>						
BUN	22			18		20
Cr	1.5			1.6		1.6
Troug				2.1		1.8
Peak				4.8		4.0
Na	141			143		143
K	3.5			3.4		3.4
Cl	93			101		101
Co	30			34		34
<u>Urine</u>						
Protein	--			--		--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Other medication. -- furosemide (40) 1 tablet od.
 -- quinapril (20) 1/2 tablet bid pc.
 -- lanoxin (0.25) 1 tablet od.
 -- aspirin (60) 1 tablet tid. pc.
 -- vastarel 1 tablet tid pc.
 -- diazepam (2) 1 tablet bid.pc.
 -- fenofibrate (300) 1 tablet od.
 -- warfarin (2) 1 tablet od.
 -- milk of magnesium 30 ml. od. hs.
 -- carminative mixture 15 ml. qid. pc+hs.
 -- betamethasone cream apply bid.

Gentamicin data record

Every 8 hours treatment.

Name 20 Male Age 32 yr. Weight 62 kg. Height 175 cm. Dx. Non hodgkin's lymphoma.

Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.0 mg/kg.

To treated fever of undetermined origin or fever from NHL.

Combine with PGS 2 million units iv ever 4 hours.

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 7 days. (10/07/95 - 17/07/95)

dd/07/95	9	10	11	12	13	14	15	16	17
t (°c)	39.4	39.0	38.3	39.3	37.6	37.9	37.4	38.0	38.3
wbc	87.4		13.0			3.2			
c/s	u/c - h/c -		u/c - h/c -			u/c - h/c -			u/c - h/c -

3. Nephrotoxicity yes. no. D/C 19/07/95 and dead.

Blood									
BUN	10		12		13			15	
Cr	0.9		0.9		0.8			0.9	
Troug			0.5						
Peak			3.2						
Na	137		136		137			137	
K	4.7		4.8		4.1			4.5	
Cl	106		106		106			106	
Co	20		19		21			21	
Urine									
Protein	--		--					--	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (150) 1 tablet bid. pc.

-- metoclopramide 1 tablet tid ac.

-- allopurinol (300) 1 tablet od.

-- prednisolone (5) 20 tablet od. pc.

-- neupogen 300 units subcutaneous injection. od.

-- cyclophosphamide 2500 mg. dilute to nss. 1000 ml. iv. drip in 24 hrs. 2 days.

-- etoposide 675 mg. dilute to nss. 1000 ml. iv. drip in 24 hrs. 3 days.

-- dexamethasone 8 mg. iv. before given chemotherapy agents.

-- metoclopramide 10 mg. iv. before given chemotherapy agents.

-- normal saline solution use as gargle qid. pc.

Gentamicin data record

Every 8 hours treatment.

Name 21 Male Age 35 yr. Weight 60 kg. Height 165 cm. Dx. CML, jaundice.

Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.0 mg/kg.

To treated fever of undetermined origin or fever from CML.

Combine with ampicillin 1 gm. iv ever 6 hr.

Adjusted dose O yes. no.

1. Efficacy O yes. no. 2. Duration of treatment 10 days. (7/10/95 - 16/10/95)

dd/10/95	7	8	9	10	11	12	13	14	15	16	17
t (°c)	39.5	38.6	39.4	38.3	38.6	39.0	38.7	38.1	38.4	38.7	39.1
wbc	111.0			105.0			100			98.5	
c/s	u/c - h/c -			u/c - h/c -			u/c - h/c -			u/c - h/c -	

3. Nephrotoxicity O yes. no. D/C 28/11/95

Blood										
BUN	15			16			18			19
Cr	0.9			0.9			1.0			1.1
Troug				1.4						
Peak				4.9						
Na	136			138			137			140
K	3.8			3.4			3.2			3.0
Cl	98			100			104			103
Co	20			23			21			20
Urine										
Protein	--			--						--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Every 8 hours treatment.

Name 22 Female Age 62 yr. Weight 45 kg. Height 155 cm. Dx. Septic arthritis.

Gentamicin 70 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 4.7 mg/kg.

To treated septic arthritis from mix organism growth.

Combine with cloxacillin 2 gm. iv ever 6 hr.

Adjusted dose O yes. no.

1. Efficacy yes. O no. 2. Duration of treatment 14 days. (1/10/95 - 14/10/95)

dd/10/95	1	2	3	4	5	6	7	8	9	10	11	12	13	14
t (°c)	38.6	37.3	38.9	38.4	37.9	38.2	37.0	38.6	37.1	37.6	37.9	38.0	37.8	37.2
wbc	22.0			20.5			18.0			10.5				
c/s	u/c - h/c -			synovial fluid/c mix organism			u/c - h/c -			u/c - h/c -			synovi a l fluid/c -	

3. Nephrotoxicity O yes. no. D/C 15/10/95

Blood														
BUN	18			19			21			21			23	
Cr	0.9			1.0			1.1			1.1			1.2	
Troug				1.0										
Peak				6.7										
Na	135			136			137			140			140	
K	3.3			3.2			3.4			3.5			3.7	
Cl	98			97			99			98			100	
Co	21			19			20			20			23	
Urine														
Protein	--			--			--			--			+1	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Every 8 hours treatment.

Name 23 Female Age 66 yr. Weight 48 kg. Height 157 cm. Dx. Septic arthritis.

Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.75 mg/kg.

To treated septic arthritis from rod bacilli sensitive gentamicin.

Combine with cloxacillin 1 gm. iv ever 6 hr.

Adjusted dose O yes. no.

1. Efficacy yes. O no. 2. Duration of treatment 13 days. (15/08/95 - 27/08/95)

dd/08/95	15	16	17	18	19	20	21	22	23	24	25	26	27
t (°c)	38.3	38.5	37.4	37.3	37.8	38.9	38.2	37.6	37.9	38.2	37.1	36.9	37.2
wbc	7.6			8.1			7.4			7.0			6.1
c/s	u/c - h/c -			synovial fluid/c rod bacilli			u/c - h/c -			u/c - h/c -			synovi al fluid --

3. Nephrotoxicity O yes. no. D/C 28/08/95

Blood													
BUN	11			10			13			15			16
Cr	1.0			1.0			1.1			1.2			1.3
Troug				1.2									
Peak				5.4									
Na	140			138			137			138			140
K	3.2			3.1			3.3			3.3			3.5
Cl	92			92			96			96			99
Co	17			18			20			20			18
Urine													
Protein	--			--			--			--			--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- 10% kcl elixir 30 ml. stat.

Gentamicin data record

Every 8 hours treatment.

Name 24 Male Age 53 yr. Weight 69 kg. Height 170 cm. Dx. Septic arthritis.

Gentamicin 90 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.9 mg/kg.

To treated septic arthritis from mix organism.

Combine with cloxacillin 2 gm. iv ever 4 hr.

Adjusted dose O yes. no.

1. Efficacy yes. O no. 2. Duration of treatment 9 days. (21/12/95 - 29/12/95)

dd/12/95	21	22	23	24	25	26	27	28	29
t (°c)	38.6	38.3	39.1	37.6	38.1	37.3	38.5	37.0	37.2
wbc	9.6			8.7				7.0	
c/s	synovial fluid/c mix organism			u/c - h/c -				u/c - h/c - synovial fluid/c -	

3. Nephrotoxicity O yes. no. D/C 30/12/95

Blood									
BUN	10			10				12	
Cr	0.9			0.9				1.1	
Troug				1.1					
Peak				5.8					
Na	136			138				140	
K	3.8			3.6				3.5	
Cl	100			98				101	
Co	21			19				20	
Urine									
Protein	--			--				--	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Every 8 hours treatment.

Name 25 Female Age 66 yr. Weight 45 kg. Height 158 cm. Dx. Wound infection.

Gentamicin 60 mg. iv drip in 0.5 hr. O OD \otimes q 8 hr. Dose 4.0 mg/kg.

To treated wound infection from Staphylococcus epidermidis sensitive gentamicin and clindamycin.

Combine with clindamycin 600 gm. iv ever 8 hr.

Adjusted dose \otimes yes. O no. 40 mg.

1. Efficacy \otimes yes. O no. 2. Duration of treatment 18 days. (5/12/95 - 21/12/95)

dd/12/95	5	6	7	8	9	10	11	12*	13
t (°c)	39.6	39.1	39.3	38.4	38.6	38.6	38.1	37.1	37.5
wbc	15.0			16.6			13.1		
c/s	u/c - h/c -			wound/c <i>Staphylococcus epidermidis</i>			u/c - h/c -		
<u>Blood</u>									
BUN	19			20			23		
Cr	1.5			1.6			1.9		
Troug				1.7			2.8		
Peak				3.9			5.8		
Na	135			138			138		
K	3.8			3.4			3.5		
Cl	98			96			96		
Co	21			20			20		
<u>Urine</u>									
Protein	+1			+1			+3		

dd/12/95	14	15	16	17	18	19	20	21
t (°c)	37.2	36.1	36.0	37.4	37.5	36.8	36.8	36.9
wbc	12.0			10.5			9.8	
c/s	wound/c -			u/c - h/c -				u/c - h/c - wound/c -
<u>Blood</u>								
BUN	21			18				19
Cr	1.8			1.4				1.5
Troug	2.4							
Peak	4.0							
Na	140			142				142
K	3.6			3.8				3.9
Cl	99			100				101
Co	19			22				24
<u>Urine</u>								
Protein	+2			+1				+1

3. Nephrotoxicity O yes. \otimes no. D/C 23/12/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranetidine (50) iv.push every 8 hr.

-- diazepam (2) 1 tablet hs.

-- multivitamin 1 tablet tid. pc.

Gentamicin data record

Every 8 hours treatment.

Name 26 Female Age 58 yr. Weight 45 kg. Height 155 cm. Dx. CML, sepsis.Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 4.0 mg/kg.To treated sepsis from Pseudomonas aeruginosa sensitive gentamicin.Combine with PGS 2 million units iv ever 4 hr.Adjusted dose yes. no.1. Efficacy yes. no. 2. Duration of treatment 17 days. (4/10/95 - 20/10/95)

dd/10/95	4	5	6	7	8	9	10	11	12	13
t (°c)	40.8	39.1	39.6	39.5	38.9	38.1	38.2	38.0	38.7	38.8
wbc	17.7			16.9					10.5	
c/s	h/c <i>Pseudomonas aeruginosa</i>			u/c - h/c -					u/c - h/c -	
<u>Blood</u>										
BUN	22			22					24	
Cr	1.1			1.1					1.2	
Troug				1.2						
Peak				4.8						
Na	135			137					140	
K	3.8			3.5					3.8	
Cl	96			99					101	
Co	20			19					18	
<u>Urine</u>										
Protein	--			--					+1	

dd/10/95	14	15	16	17	18	19	20
t (°c)	37.9	37.8	38.4	38.1	39.0	39.1	38.8
wbc						9.6	
c/s							
<u>Blood</u>							
BUN				25			
Cr				1.3			
Troug							
Peak							
Na				140			
K				3.6			
Cl				100			
Co				20			
<u>Urine</u>							
Protein				+1			

3. Nephrotoxicity yes. no. D/C 15/11/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

-- diazepam (2) 1 tablat tid. pc.

Gentamicin data record

Every 8 hours treatment.

Name 27 Female Age 30 yr. Weight 42 kg. Height 155 cm. Dx. CML, R/O sepsis.

Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 4.3 mg/kg.

To treated sepsis.

Combine with ampicillin 1 gm. iv ever 6 hr.

Adjusted dose O yes. no.

1. Efficacy yes. O no. 2. Duration of treatment 14 days. (10/08/95 - 24/08/95)

dd/08 /95	10	11	12	13	14	15	16	17
t (°c)	39.6	39.1	40.3	39.6	39.1	38.5	38.9	38.1
wbc	17.7			16.0			15.1	
c/s	u/c -, h/c mix organism			u/c - h/c -			u/c - h/c -	
<u>Blood</u>								
BUN	11			10			12	
Cr	0.7			0.7			0.7	
Troug				1.5				
Peak				7.2				
Na	140			139			138	
K	3.2			33			3.5	
Cl	98			98			100	
Co	20			19			19	
<u>Urine</u>								
Protein	--			--			--	

dd/08 /95	18	19	20	21	22	23	24
t (°c)	38.4	38.0	37.1	37.0	36.5	36.9	36.1
wbc		11.0				8.6	
c/s		u/c - h/c -				u/c - h/c -	
<u>Blood</u>							
BUN		12				14	
Cr		0.9				1.0	
Troug							
Peak							
Na		138				137	
K		3.6				3.8	
Cl		103				105	
Co		20				22	
<u>Urine</u>							
Protein						--	

3. Nephrotoxicity O yes. no. D/C 26/08/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- paracetamol 1 ampule iv. stat.

-- ranetidine (50) iv.push every 8 hr.

Gentamicin data record

Every 8 hours treatment.

Name 28 Female Age 30 yr. Weight 42 kg. Height 155 cm. Dx. R/O Sepsis.Gentamicin 60 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 4.3 mg/kg.To treated sepsis.Combine with piperacillin 4 gm. iv. ever 6 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy O yes. ⊗ no. 2. Duration of treatment 15 days. (22/06/95 - 6/07/95)

dd/06/95	22	23	24	25	26	27	28	29
t (°c)	39.3	38.7	39.1	38.5	37.9	38.9	39.1	39.4
wbc	19.5			17.0		16.8		
c/s	u/c - h/c mix organism			u/c - h/c -		u/c - h/c -		
<u>Blood</u>								
BUN	18			20		21		
Cr	0.8			0.8		0.8		
Troug				1.6				
Peak				4.8				
Na	140			143		143		
K	3.5			3.2		3.4		
Cl	92			97		99		
Co	34			35		34		
<u>Urine</u>								
Protein	--			--		--		

dd/06/95	30	1/7	2	3	4	5	6
t (°c)	39.8	38.7	39.0	39.3	39.7	38.9	38.7
wbc	15.5			15.0			18.0
c/s	u/c - h/c -			u/c - h/c -			u/c - h/c <i>Pseudomonas aeruginosa</i>
<u>Blood</u>							
BUN	21			23			24
Cr	0.9			1.0			1.0
Troug							
Peak							
Na	141			142			143
K	3.3			3.3			3.8
Cl	97			97			97
Co	36			36			36
<u>Urine</u>							
Protein	--			--			--

3. Nephrotoxicity O yes. ⊗ no. D/C 23/7/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- chlorpheniramine (4) 1 tablet tid pc.

-- isoniazid (100) 3 tablets od.

-- rifampicin (450) 1 tablet od.

-- pyrazinamide 2 tablets od.

-- ethambutol (400) 2 tablets od.

Gentamicin data record

Every 8 hours treatment.

Name 29 Male Age 73 yr. Weight 42 kg. Height 167 cm. Dx. sepsis.Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 4.3 mg/kg.To treated sepsis from Staphylococcus spp. sensitive gentamicin and piperacillin.Combine with piperacillin 4 gm. iv ever 6 hr.Adjusted dose O yes. no.1. Efficacy O yes. no. 2. Duration of treatment 14 days. (7/09/95 - 20/09/95)

dd/09/95	7	8	9	10	11	12	13
t (°c)	40.2	39.6	38.9	37.6	38.3	38.0	38.1
wbc	22.0			20.0			17.0
c/s	u/c- h/c <i>Staphylococcus spp.</i>			u/c - h/c -			u/c - h/c -
<u>Blood</u>							
BUN	13			12			15
Cr	1.0			1.0			1.1
Troug				1.8			
Peak				5.3			
Na	138			139			140
K	3.5			3.7			3.8
Cl	96			100			101
Co	18			19			20
<u>Urine</u>							
Protein	--			--			--

dd/09/95	14	15	16	17	18	19	20
t (°c)	38.3	38.0	38.6	39.0	38.6	39.0	38.5
wbc				19.0			18.6
c/s				u/c - h/c -			u/c - h/c -
<u>Blood</u>							
BUN				15			17
Cr				1.1			1.2
Troug							
Peak							
Na				139			137
K				3.6			3.6
Cl				98			100
Co				22			22
<u>Urine</u>							
Protein				--			--

3. Nephrotoxicity O yes. no. D/C 1/10/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- paracetamol 1 ampule iv. stat.

-- ranetidine (50) iv. push every 8 hr.

-- diazepam (10) iv. stat.

Gentamicin data record

Every 8 hours treatment.

Name 30 Female Age 20 yr. Weight 61 kg. Height 165 cm. Dx. Febrile neutropenia.

Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.0 mg/kg.

To treated febrile neutropenia.

Combine with PGS 12 million units per day.

Adjusted dose yes. no. 40 mg.

1. Efficacy yes. no. 2. Duration of treatment 17 days. (7/07/95 - 23/07/95)

dd/07/95	7	8	9	10	11*	12	13	14
t (°c)	40.9	40.0	39.5	39.6	39.0	38.3	37.5	39.1
wbc	22.0			20.0		20.5		
c/s	sputum/c - h/c -			u/c - h/c -		u/c - h/c -		
<u>Blood</u>								
BUN	10			12		12		
Cr	0.8			1.0		0.9		
Troug				2.6			2.1	
Peak				4.8			3.2	
Na	139			140		140		
K	3.2			3.1		3.4		
Cl	100			99		98		
Co	19			19		20		
<u>Urine</u>								
Protein	--			--		--		

dd/07/95	15	16	17	18	19	20	21	22	23
t (°c)	38.6	39.0	37.2	38.3	38.0	37.2	38.1	37.0	37.6
wbc			18.9					19.6	
c/s			u/c - h/c -					u/c - h/c -	
<u>Blood</u>									
BUN			13					13	
Cr			1.1					1.1	
Troug									
Peak									
Na			139					142	
K			3.6					4.2	
Cl			100					101	
Co			22					23	
<u>Urine</u>									
Protein			--					--	

3. Nephrotoxicity yes. no. D/C 10/08/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- paracetamol 1 ampule iv. stat.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Every 8 hours treatment.Name 31 Female Age 31 yr. Weight 70 kg. Height 170 cm. Dx. Non hodgkin's lymphoma.Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 2.6 mg/kg.To treated febrile neutropenia.Combine with augmentin 1.2 gm. iv ever 8 hr.Adjusted dose O yes. no.1. Efficacy yes. no. 2. Duration of treatment 7 days. (21/11/95 - 28/11/95)

dd/11/95	21	22	23	24	25	26	27	28	29
t (°c)	37.6	37.6	38.0	37.0	39.6	37.0	39.3	38.1	38.6
wbc	12.1		13.5				13.0		12.0
c/s	u/c - h/c -		u/c - h/c -				u/c - h/c -		

3. Nephrotoxicity O yes. no. Dead 14/12/95

<u>Blood</u>									
BUN	13		12				10		10
Cr	0.7		0.7				0.7		0.6
Troug			1.8						
Peak			5.1						
Na	128		128				125		125
K	3.8		2.8				1.9		2.3
Cl	94		90				86		90
Co	29		30				30		31
<u>Urine</u>									
Protein	--		--				--		--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- metoclopramide iv. stat.

-- vincristin 2 mg. iv. stat

-- adriamycin 70 mg. iv. stat.

-- endoxan 1 gm. iv. stat.

-- dexamethasone 5 mg. iv. every 6 hr.

-- lasix 20 mg. iv. stat.

-- albendazole (200) 2 tablets tid. pc.

-- aminosol 500 ml. iv. drip in 6 hr.

-- 10% kcl elixir 30 ml. stat.

Gentamicin data record

Every 8 hours treatment.

Name 32 Female Age 32 yr. Weight 44 kg. Height 160 cm. Dx. Herpes simplex, DM, leg cellulitis.Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 4.1 mg/kg.To treated cellulitis from Staphylococcus epidermidis sensitive gentamicin.Combine with clindamycin 600 mg. iv ever 6 hr.Adjusted dose yes. no. 30 mg.1. Efficacy yes. no. 2. Duration of treatment 16 days. (17/11/95 - 2/12/95)

dd/11/95	17	18	19	20	21	22	23	24
t (° c)	40.3	39.6	39.9	38.9	39.1	38.6	39.6	37.1
wbc	33.0			31.0				
c/s	u/c - h/c -			wound/c <i>Staphylococcus epidermidis</i>		u/c - h/c -		
<u>Blood</u>								
BUN	12			13				
Cr	1.0			1.0				
Troug				1.4				
Peak				4.5				
Na	128			133				
K	3.0			3.2				
Cl	93			96				
Co	18			19				
<u>Urine</u>								
Protein	+1			+1				

dd/11/95	25	26*	27	28	29	30	1/2	2/2
t (° c)	39.1	36.0	38.1	39.2	38.7	38.9	38.6	38.9
wbc	27.0						22.5	
c/s							u/c - h/c -	wound/c <i>Staphylococcus epidermidis</i>
<u>Blood</u>								
BUN	17			15			11	
Cr	1.4			1.3			1.1	
Troug	2.8			2.3				
Peak	6.9			4.5				
Na	134			140			138	
K	3.3			3.5			3.6	
Cl	98			100			101	
Co	22			21			23	
<u>Urine</u>								
Protein	+3			+1			+1	

3. Nephrotoxicity yes. no. D/C 3/12/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because gentamicin and acyclovira may possibly synergistic nephrotoxicity.

Other medication. -- humulin-r 10 units stat.

-- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- acyclovira (400) 2 tablets every 5 hr.

-- 10% kcl elixir 30 ml. stat.

-- diazepam (2) 1 tablet tid. pc.

Gentamicin data record

Every 8 hours treatment.Name 33 Female Age 50 yr. Weight 57 kg. Height 155 cm. Dx. DM, hypertension, cellulitis.Gentamicin 70 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.7 mg/kg.To treated leg and feet cellulitis from Streptococcus spp. sensitive gentamicin.Combine with cloxacillin 1 gm. iv ever 6 hr.Adjusted dose yes. no.1. Efficacy yes. no. 2. Duration of treatment 10 days. (11/11/95 - 21/11/95)

dd/11/95	11	12	13	14	15	16	17	18	19	20	21
t (°c)	40.1	39.6	38.5	40.0	38.5	38.2	37.6	38.1	38.0	37.0	37.1
wbc	12.5			11.0			10.5			7.0	
c/s	wound/c <i>Streptococcus</i> <i>spp.</i>			u/c - h/c -			u/c - h/c -			wound/c -	

3. Nephrotoxicity yes. no. D/C 22/11/95

Blood										
BUN	13			13			13			15
Cr	1.0			1.1			1.1			1.3
Troug				1.1						
Peak				4.8						
Na	138			140			140			142
K	3.5			3.04			3.3			3.5
Cl	95			98			97			100
Co	17			19			19			20
Urine										
Protein	--			--			--			--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- humurin-r 5 units subcutaneous injection. stat.

-- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- paracetamol 1 ampule iv. stat.

-- ranetidine (50) iv.push every 8 hr.

-- enarapril (25) 1/2 tablet bid pc.

Gentamicin data record

Every 8 hours treatment.

Name 34 Female Age 48 yr. Weight 60 kg. Height 160 cm. Dx. Pneumonia.Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.0 mg/kg.To treated pneumonia from *Klinsiella pneumoniae* sensitive gentamicin.Combine with ceftriaxone 1 gm. iv ever 12 hr.Adjusted dose yes. no.1. Efficacy yes. no. 2. Duration of treatment 10 days. (13/12/95 - 22/12/95)

dd/12/95	13	14	15	16	17	18	19	20	21	22
t (° c)	39.3	39.1	40.0	37.6	38.9	38.6	37.2	37.3	38.1	37.2
wbc	21.0			20.5			14.3			9.7
c/s	sptum/c <i>Klinsiella</i> <i>pneumoniae</i>			u/c - h/c -			u/c - h/c -			sptum/c -

3. Nephrotoxicity yes. no. D/C 23/12/95

Blood									
BUN	13			15			15		18
Cr	1.3			1.3			1.4		1.6
Troug				1.4					
Peak				6.7					
Na	140			139			142		143
K	3.4			3.7			3.9		4.0
Cl	96			98			101		105
Co	20			19			22		25
Urine									
Protein	--			--			--		--

4. other adverse drug reaction --

: monitoring gentamicin blood level and clinical sign closely because nephrotoxicity may be increased if cephalosporin and gentamicin are treated together.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Every 8 hours treatment.

Name 35 Male Age 36 yr. Weight 54 kg. Height 162 cm. Dx. Infective endocarditis.

Gentamicin 50 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.3 mg/kg.

To treated pneumonia from *Klitsiella pneumoniae* sensitive gentamicin.

Combine with PGS 3 million units ever 4 hr.

Adjusted dose O yes. no.

1. Efficacy yes. O no. 2. Duration of treatment 11 days. (10/10/95 - 20/10/95)

dd/10/95	10	11	12	13	14	15	16	17	18	19	20
t (° c)	38.6	38.5	37.8	37.5	37.5	38.1	38.0	37.5	37.0	37.3	37.5
wbc	14.8	11.9	12.0					10.2			8.6
c/s	sputum/c <i>Klitsiella pneumoniae</i>				u/c - h/c -			u/c - h/c -			sputum/c - u/c - h/c -

3. Nephrotoxicity O yes. no. D/C 30/10/95

Blood										
BUN	14				20			22		22
Cr	1.0				1.2			1.3		1.4
Troug					1.3					
Peak					5.6					
Na	135				135			136		134
K	4.3				3.6			3.6		3.9
Cl	97				92			90		95
Co	28				31			30		37
Urine										
Protein	+1				+1			+1		+1

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility. Gentamicin and diuretics may possibly synergistic auditory toxicity so monitoring of hearing sholud be tested.

Other medication. -- moduretic 1 tablet od.

-- lanoxin (0.25) 1/2 tablet od.

Gentamicin data record

Every 8 hours treatment.

Name 37 Male Age 60 yr. Weight 45 kg. Height 170 cm. Dx. COPD, pneumonia.

Gentamicin 50 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.3 mg/kg.

To treated pneumonia from *Klribsiella pneumoniae* sensitive gentamicin.

Combine with ceftriaxone 1 gm. iv ever 12 hr.

Adjusted dose O yes. no.

1. Efficacy yes. O no. 2. Duration of treatment 12 days. (1/12/95 - 12/12/95)

dd/12/95	1	2	3	4	5	6	7	8	9	10	11
t (°c)	39.8	39.6	40.0	37.9	38.5	39.0	37.1	38.4	37.4	38.3	37.0
wbc	31.3			28.8			13.1			9.8	
c/s	sptum/c <i>Klribsiella pneumoniae</i>			u/c - h/c -			s/c - h/c -			u/c - h/c -	

3. Nephrotoxicity O yes. no. D/C 14/12/95

Blood											
BUN	20			20			23			24	
Cr	1.0			1.0			1.1			1.2	
Troug				1.2							
Peak				4.8							
Na	137			139			140			140	
K	3.4			3.2			3.0			3.1	
Cl	97			100			102			100	
Co	19			20			20			17	
Urine											
Protein	--			--							

4. other adverse drug reaction --

: monitoring gentamicin blood level and clinical sign closely because nephrotoxicity may be increased if cephalosporin and gentamicin are treated together.

Other medication. -- prednisolone (5) 2 tablet tid. pc.

-- terbutaline (2.5) 1 tablet tid. pc.

Gentamicin data record

Every 8 hours treatment.

Name 38 Female Age 22 yr. Weight 52 kg. Height 160 cm. Dx. Acute lymphotic leukemia, edema.

Gentamicin 80 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 4.6 mg/kg.

To treated infectious diarrhea from Salmonella spp. sensitive gentamicin and PGS.

Combine with PGS 18 million units per day.

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 15 days. (1/09/95 - 15/09/95)

dd/09/95	1	2	3	4	5	6	7
t (° c)	38.5	37.0	38.0	37.5	37.3	37.5	37.3
wbc	5.3			4.1			4.0
c/s	stool/c <i>Salmonella spp.</i>			u/c - h/c -			stool/c -
<u>Blood</u>							
BUN	14			9			8
Cr	1.3			1.1			1.1
Troug				1.7			
Peak				4.8			
Na	138			142			142
K	3.4			2.9			3.1
Cl	108			110			111
Co	23			23			25
<u>Urine</u>							
Protein	--			--			--

dd/09/95	8	9	10	11	12	13	14	15
t (° c)	37.5	37.4	37.3	36.0	37.5	37.0	37.3	37.5
wbc			3.7				2.8	
c/s			u/c - h/c -				u/c - h/c -	stool/c -
<u>Blood</u>								
BUN			8				14	
Cr			1.1				1.4	
Troug								
Peak								
Na			141				135	
K			3.4				33	
Cl			107				103	
Co			27				25	
<u>Urine</u>								
Protein			--				+2	

3. Nephrotoxicity yes. no. D/C 17/09/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function . With parenteral administration , dilution appears to attenuate a physicochemical incompatibility. Gentamicin and furosemide may possibly synergistic auditory toxicity so monitoring of hearing sholud be tested.

Other medication. -- furosemide (40) 1 tablet od.

-- paracetamol (500) 2 tablets every 4-6 hr. for fever.

Gentamicin data record

Every 8 hours treatment.

Name 39 Female Age 18 yr. Weight 52 kg. Height 155 cm. Dx. IE, edema.

Gentamicin 80 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 4.6 mg/kg.

To treated infective endocarditis from Y-Streptococci sensitive gentamicin.

Combine with PGS 1.8 - 2.4 million units per day.

Adjusted dose ⊗ yes. O no. 60 mg.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 14 days. (3/08/95 - 17/08/95)

dd/08/95	3	4	5	6	7*	8	9
t (°c)	38.5	37.0	38.0	37.5	37.3	37.5	37.3
wbc	5.3			4.1			3.6
c/s	aortic valve Y- Streptococci			u/c - h/c -			u/c - h/c -
<u>Blood</u>							
BUN	14			17			9
Cr	1.3			1.5			1.1
Troug				2.6			2.0
Peak				4.3			3.3
Na	138						142
K	3.4						2.9
Cl	108						110
Co	23						23
<u>Urine</u>							
Protein	+2						--

dd/08/95	10	11	12	13	14	15	16	17
t (°c)	37.5	37.4	37.3	36.0	37.5	37.0	37.3	37.5
wbc					2.5			3.8
c/s		u/c - h/c -			u/c - h/c -			u/c - h/c -
<u>Blood</u>								
BUN	8				8			8
Cr	1.1				1.1			1.1
Troug								
Peak								
Na		142			141			140
K		3.3			3.4			3.4
Cl		111			107			106
Co		25			27			27
<u>Urine</u>								
Protein		--			--			--

3. Nephrotoxicity O yes. ⊗ no. D/C 22/08/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- multivitamin 1 tablet tid. pc.

-- essential 1 tablet bid. pc.

-- pepcidine (20) 1 tablet bid.pc.

Gentamicin data record

Every 8 hours treatment.

Name 40 Female Age 35 yr. Weight 57 kg. Height 162 cm. Dx. RHD

Gentamicin 70 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 3.7 mg/kg.

To treated infective endocarditis from enterococci sensitive gentamicin and ampicillin.

Combine with ampicillin 2 gm. iv ever 4 hr.

Adjusted dose ⊗ yes. O no. 50 mg.

1. Efficacy O yes. ⊗ no. 2. Duration of treatment 23 days. (30/07/95 - 21/08/95)

dd/07/95	30	31	1/8	2	3	4	5	6	7	8	9	10
t (°c)	38.3	37.9	37.6	38.6	38.4	39.0	38.6	38.2	38.5	37.4	37.6	38.6
wbc	15.5		14.0	13.3					13.0		13.0	
c/s	a o r t i c v a l v e / c e n t e r o c o c c i			h / c e n t e r o c o c c i					u / c - h / c -		u / c - h / c -	
<u>Blood</u>												
BUN	11		13						15		14	
Cr	0.7		0.8						0.8		0.8	
Troug			1.6									
Peak			4.3									
Na	139		138						140		142	
K	3.8		3.8						3.9		3.8	
Cl	94		95						98		97	
Co	23		24						22		23	
<u>Urine</u>												
Protein	--		--						--		--	

dd/07/95	11	12	13	14	15	16	17	18	19	20
t (°c)	38.3	38.1	37.5	37.0	37.9	38.2	37.8	37.6	37.8	38.4
wbc				10.4			9.7			9.0
c/s				u / c - h / c -			u / c - h / c -			h / c e n t e r o c o c c i
<u>Blood</u>										
BUN				25			29	25	23	23
Cr				1.2			1.5	1.7	1.6	1.4
Troug							4.2			3.5
Peak							6.6			5.4
Na				138			135			144
K				3.2			3.5			3.6
Cl				94			91			109
Co				24			26			28
<u>Urine</u>										
Protein							+2			+1

dd/07/95	21	22	23	24	25	26	27
t (°c)	37.8	38.0	37.0	37.8	37.0	37.9	38.4
wbc							
c/s							
<u>Blood</u>							
BUN			26	24	25		
Cr			1.3	1.1	1.2		
Troug							
Peak							
Na			140	138	138		
K			5.0	4.3	3.7		
Cl			103	98	99		
Co			27	28	27		
<u>Urine</u>							
Protein			+1	--	--		

3. Nephrotoxicity ⊗ yes. ○ no. D/C 15/09/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function . With parenteral administration , dilution appears to attenuate a physicochemical incompatibility. Gentamicin and furosemide may possibly synergistic auditory toxicity so monitoring of hearing sholud be tested.

Other medication. -- furosemide (40) 1 tablet bid. pc. morning and lunch.

-- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- 10% kcl elixir 15 ml. qid. stat. 1 days.

-- accupril (10) 1/2 tablet bid pc.

Gentamicin data record

Every 8 hours treatment.

Name 41 Female Age 39 yr. Weight 44.5 kg. Height 158 cm. Dx. CHF, anemia, jaundice, prolong fever.Gentamicin 60 mg. iv drip in 0.5 hr. O OD \otimes q 8 hr. Dose 3.6 mg/kg.To treated infective endocarditis from Streptococcus viridan sensitive gentamicin.Combine with PGS 3 million units iv. ever 4 hr.Adjusted dose \otimes yes. O no. 40 mg.1. Efficacy \otimes yes. O no. 2. Duration of treatment 20 days. (17/11/95 - 6/12/95)

dd/11/95	17	18	19	20	21	22	23	24	25	26	27
t (°c)	39.4	39.6	39.5	38.5	38.4	38.0	38.5	38.4	39.5	38.2	38.3
wbc	14.6			8.7			8.6				8.3
c/s	h/c viridan	Streptococcus		u/c - h/c -			u/c - h/c -				u/c - h/c -
Blood											
BUN	7			7			7				12
Cr	0.8			0.8			1.0				1.3
Troug				1.8							2.6
Peak				5.1							6.4
Na	141			139			139				135
K	3.4			4.2			3.5				3.2
Cl	108			105			104				97
Co	29			26			27				29
Mg	+1			+3			+1				
Protein	--			--			--				+1

dd/11/95	28*	29	30	1/12	2	3	4	5	6
t (°c)	38.5	37.0	37.0	38.5	36.0	38.0	38.9	37.4	37.0
wbc							8.8		8.7
c/s		u/c - h/c -					u/c - h/c -		u/c - h/c -
Blood									
BUN			8	7			9		10
Cr			1.0	1.0			1.1		1.1
Troug			2.2						
Peak			4.8						
Na			147	140			132		134
K			3.4	4.0			3.8		3.0
Cl			109	104			102		95
Co			24	27			25		25
Mg							1.9		
Protein			--	--			--		--

3. Nephrotoxicity \otimes yes. O no. D/C 16/12/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function . With parenteral administration , dilution appears to attenuate a physicochemical incompatibility. Gentamicin and furosemide may possibly synergistic auditory toxicity so monitoring of hearing shold be tested.

Other medication. -- furosemide (40) 1 tablet od.

-- lanoxin (0.25) 1/2 tablet od.

-- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (150) 1 tablet bid.pc.

-- 10% kcl elixir 30 ml. qid pc.

-- warfarin (2) 1 tablet od.

-- vitamin b₁₋₆₋₁₂ 1 tablet tid pc.

-- cipride 1 tablet tid pc.

-- furosemide 40 mg. iv. stat.

Gentamicin data record

Every 8 hours treatment.Name 42 Male Age 35 yr. Weight 50 kg. Height 165 cm. Dx. PDA with CHF, IE.Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.6 mg/kg.To treated infective endocarditis from α - streptococci sensitive gentamicin.Combine with PGS 3 million units iv ever 4 hr.Adjusted dose O yes. no.1. Efficacy yes. O no. 2. Duration of treatment 16 days. (5/10/95 - 20/10/95)

dd/10/95	4	5	6	7	8	9	10	11	12
t (°c)	36.8	36.7	37.0	37.0	37.5	38.0	38.3	38.3	37.9
wbc	12.7		10.0				8.8	8.9	
c/s	h/c α - streptococci		h/c α - streptococci			u/c - h/c -			
<u>Blood</u>									
BUN	25		24				11		
Cr	1.6		1.5				1.4		
Troug				1.2					
Peak				5.5					
Na	138		134				139		
K	3.9		3.6				4.0		
Cl	110		107				111		
Co	16		16				15		
<u>Urine</u>									
Protein	+1		+1				+2		

dd/10/95	13	14	15	16	17	18	19	20
t (°c)	38.0	37.7	37.8	37.3	37.0	37.4	37.1	36.5
wbc	8.4						7.9	
c/s	u/c - h/c -						u/c - h/c -	
<u>Blood</u>								
BUN	12						12	
Cr	1.5						1.7	
Troug								
Peak								
Na	138						140	
K	4.0						4.3	
Cl	111						108	
Co	18						19	
<u>Urine</u>								
Protein	+1		--	--			--	

3. Nephrotoxicity O yes. no. D/C 23/10/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- lanoxin (0.25) 1/2 tablet od.

-- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- paracetamol 1 ampule iv. stat.

-- ranitidine (50) iv.push every 8 hr.

-- warfarin (2) 1 tablet od.

Gentamicin data record

Every 8 hours treatment.Name 43 Male Age 43 yr. Weight 54 kg. Height 170cm. Dx. Heart failure, IE.Gentamicin 50 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.0 mg/kg.To treated infective endocarditis from α -streptococci sensitive gentamicin.Combine with PGS 3 million units iv. ever 4 hr.Adjusted dose yes. no. 40 mg.1. Efficacy yes. no. 2. Duration of treatment 23 days. (7/07/95 - 29/07/95)

dd/07/95	7	8	9	10	11	12	13	14*	15	16	17
t (°c)	39.0	38.7	39.0	38.9	38.7	39.1	38.6	38.5	38.3	38.5	38.3
wbc	11.8			11.0			10.6				9.6
c/s	h/c α -streptococci			u/c - h/c -			u/c - h/c -				u/c - h/c -
<u>Blood</u>											
BUN	20			22			28				25
Cr	1.5			1.7			2.1				1.8
Troug				0.9			2.3				2.0
Peak				3.7			5.3				4.2
Na	131			130			133				137
K	3.0			2.8			3.8				4.3
Cl	98			97			101				105
Co	21			25			19				19
<u>Urine</u>											
Protein	--			--			+2				+1

dd/07/95	18	19	20	21	22	23	24	25	26	27	28	29
t (°c)	38.0	37.7	38.3	38.4	37.4	38.0	37.6	37.5	37.5	37.4	37.0	37.2
wbc						8.0					7.5	
c/s						u/c - h/c -					u/c - h/c -	
<u>Blood</u>												
BUN						24					25	
Cr						1.8					1.8	
Troug												
Peak												
Na						138					140	
K						4.2					4.3	
Cl						105					106	
Co						20					21	
<u>Urine</u>												
Protein						+1					+1	

3. Nephrotoxicity yes. no. D/C 30/07/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function . With parenteral administration , dilution appears to attenuate a physicochemical incompatibility. Gentamicin and furosemide may possibly synergistic auditory toxicity so monitoring of hearing sholud be tested.

Other medication. -- warfarin (2)

1 tablet od. pc.

-- moduretic 1 tablet od. pc.

-- thiabendazole (500) 2 1/2 tablets bid. pc. 5 days.

-- 10% kcl elixir 30 ml. qid. pc. stat. 1 days.

-- lasix 40 mg. iv. stat.

-- captopril (25) 1/4 tablet bid. pc.

-- lanoxin (0.25) 1 tablet od.

-- isosorbide dinitrate (10) 1 tablet qid. pc.

-- dobatamine 500 mg. + 5% D/W 250 ml. iv. drip 15 ml./hr.

Gentamicin data record

Every 8 hours treatment.

Name 44 Male Age 49 yr. Weight 50 kg. Height 170 cm. Dx. MVR with CHF, IE.

Gentamicin 50 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 3.0 mg/kg.

To treated infective endocarditis and *Pseudomonas aeruginosa* sensitive gentamicin and ampicillin.

Combine with ampicillin 2 gm. iv ever 4 hr.

Adjusted dose ⊗ yes. O no. 40 mg.

1. Efficacy O yes. ⊗ no. 2. Duration of treatment 36 days. (28/06/95 - 2/08/95)

dd/06/95	28	29	30	1/7	2	3	4	5*	6	7	8	9
t (°c)	39.3	38.5	38.7	38.2	38.9	37.5	38.6	37.6	37.2	37.9	38.4	38.6
wbc	9.6	8.9	11.4				11.1		10.1			
c/s	h/c <i>Pseudomonas aeruginosa</i>						u/c - h/c -		u/c - h/c -			
<u>Blood</u>												
BUN	15		29				23					
Cr	0.7		1.0				1.7					
Troug			1.4				2.4				2.1	
Peak			3.0				3.3				3.0	
Na			139				135					
K			3.2				3.7					
Cl			98				99					
Co			27				32					
<u>Urine</u>												
Protein			+1				+1					

dd/07/95	10	12	13	14	15	16	17	18	19	20	21	22
t (°c)	38.4	37.5	37.1	38.3	38.9	38.6	38.4	38.3	38.2	38.6	39.1	38.1
wbc	9.6				7.1		13.8				7.4	
c/s	u/c - h/c -				u/c - h/c -		u/c - h/c -				u/c - h/c -	
<u>Blood</u>												
BUN	16							9			9	
Cr	1.4							1.6			1.6	
Troug												
Peak												
Na	138							141			136	
K	3.9							4.1			3.6	
Cl	95							97			93	
Co	26							28			31	
<u>Urine</u>												
Protein	+1							+1			+1	

dd/07/95	22	23	24	25	26	27	28	29	30	31	1/8	2/8
t (°c)	38.4	38.2	37.6	38.1	38.8	38.8	38.1	37.9	38.7	39.0	38.8	38.6
wbc					8.4							
c/s	u/c - h/c -				u/c - h/c -					u/c - h/c -		u/c - h/c -
<u>Blood</u>												
BUN			14			14				14		17
Cr			1.6			1.6				1.6		1.7
Troug												
Peak												
Na			139			140				141		142
K			4.4			4.2				4.9		4.5
Cl			95			97				98		92
Co			30			28				27		29
<u>Urine</u>												
Protein			+1									

3. Nephrotoxicity ⊗ yes. ○ no. D/C 17/08/95

4. other adverse drug reaction -- patient complained about hearing loss caused by synergistic ototoxicity between gentamicin and furosemide that may occur in patients with long term treatment and complained about nausea/vomiting caused by digtoxicity.
: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function . With parenteral administration , dilution appears to attenuate a physicochemical incompatibility. Gentamicin and furosemide may possibly synergistic auditory toxicity so monitoring of hearing sholud be tested.

Other medication. -- warfarin (5) 1/2 tablet od. pc.
-- furosemide (40) 1 tablet od. pc.
-- lanoxin (0.25) 1 tablet od.
-- isosorbide dinitrate (10) 1 tablet qid. pc.
-- diazepam (2) 1 tablet bid. pc.
-- dimenhydrinate 1 tablet tid. ac.
-- milk of magnesium 30 ml. hs.
-- 10% kcl elixir 15 ml. tid. pc. stat. 1 day.
-- metoclopramide 1 ampule im. stat.
-- diazepam 10 mg. iv. stat.
-- paracetamol 2 ml. im. stat.

Gentamicin data record

Every 8 hours treatment.

Name 45 Male Age 50 yr. Weight 55 kg. Height 170cm. Dx. Infective endocarditis.Gentamicin 60 mg. iv drip in 0.5 hr. O OD q 8 hr. Dose 3.3 mg/kg.To treated infective endocarditis from β - streptococci non A,B,C sensitive gentamicin.Combine with PGS 3 million units iv ever 4 hr.Adjusted dose yes. no.1. Efficacy yes. no. 2. Duration of treatment 15 days. (13/09/95 - 27/09/95)

dd/09/95	13	14	15	16	17	18	19	20
t (°c)	39.8	39.2	39.0	38.5	37.8	38.2	38.6	38.8
wbc	1.8			1.2				1.5
c/s	h/c β - streptococci non A,B,C			u/c - h/c -				u/c - h/c -
<u>Blood</u>								
BUN	11			13				13
Cr	0.8			0.9				0.9
Troug				1.2				
Peak				2.6				
Na	128			124				125
K	3.0			3.1				3.3
Cl	98			97				100
Co	33			34				31
<u>Urine</u>								
Protein	--			--				--

dd/09/95	21	22	23	24	25	26	27
t (°c)	38.0	38.1	37.5	37.3	37.0	37.2	37.5
wbc				1.8			1.9
c/s				u/c - h/c -			u/c - h/c -
<u>Blood</u>							
BUN				15			19
Cr				1.0			1.3
Troug							
Peak							
Na				129			131
K				3.2			3.3
Cl				97			101
Co				29			29
<u>Urine</u>							
Protein				--			--

3. Nephrotoxicity yes. no. D/C 28/09/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function . With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Gentamicin and furosemide may possibly synergistic auditory toxicity so monitoring of hearing sholud be tested.

Other medication. -- furosemide (40) 1 tablet od.

- lanoxin (0.25) 1 tablet od.
- paracetamol (500) 2 tablets every 4-6 hr. for fever.
- ranitidine (150) 1 tablet bid. pc.
- addi-K 1 tablet tid. pc.
- 10% kcl elixir 30 ml. tid. pc. stat.
- peck red cell 4 unit stat.
- lasix 40 mg. iv. stat after given peck red cell.

Gentamicin data record

Every 8 hours treatment.Name 46 Male Age 26 yr. Weight 70 kg. Height 175 cm. Dx. IE, systolic with diastolic cardiomegaly.Gentamicin 80 mg. iv drip in 0.5 hr. O OD ⊗ q 8 hr. Dose 3.4 mg/kg.To treated IE from α-streptococci sensitive gentamicin.Combine with cloxacillin 2 gm. iv ever 4 hr.Adjusted dose ⊗ yes. O no. 60 mg.1. Efficacy ⊗ yes. O no. 2. Duration of treatment 15 days. (29/11/95 - 12/12/95)

dd/11/95	29	30	1/12	2	3	4	5*
t (°c)	39.0	36.0	38.0	39.2	39.0	38.9	38.5
wbc	12.4	11.8				12.9	
c/s	-throat/s normal flora - h/c <u>α-streptococci</u>		t/c - h/c -			t/c - h/c -	
<u>Blood</u>							
BUN	15		15			12	
Cr	1.1		1.3			1.4	
Troug			1.7			2.4	
Peak			5.3			6.0	
Na	136					140	
K	4.4					4.4	
Cl	101					105	
Co	22					21	
<u>Urine</u>							
Protein	--					--	

dd/11/95	6	7	8	9	10	11	12
t (°c)	38.0	38.5	38.2	37.5	37.8	37.0	37.5
wbc		11.0				9.8	
c/s		t/c - h/c -					t/c - h/c -
<u>Blood</u>							
BUN		12					10
Cr		1.3					1.2
Troug		1.9					
Peak		5.1					
Na		140					140
K		4.2					4.2
Cl		102					102
Co		20					20
<u>Urine</u>							
Protein		--					--

3. Nephrotoxicity O yes. ⊗ no. D/C 13/12/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely.

Other medication. -- paracetamol 2 tablet every 4 hr. for fever.

-- ranitidine (150) 1 tablet bid.pc.

Gentamicin data record

Once daily treatment

Name 1a Female Age 70 yr. Weight 48 kg. Height 158 cm. Dx. UTI
 Gentamicin 200 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 4.2 mg/kg.

To treated UTI from enterococci sensitive gentamicin and ceftriaxone.

Combine with ceftriaxone 1 gm. iv ever 12 hr.

Adjusted dose ⊗ yes. O no. 150 mg.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 8 days. (4/11/95 - 12/11/95)

dd/10/95	4	5	6	7	8	9*	10	11	12
t (°c)	40.1	39.5	39.3	39.4	38.6	38.5	37.2	36.0	37.1
wbc	41.0	43.2	20.5			11.2		7.8	
c/s			u/c enterococci			u/c - h/c -		u/c - h/c -	

3. Nephrotoxicity ⊗ yes. Ono. D/C 13/11/95

Blood									
BUN	12	14	16	18	21	22	20	17	
Cr	1.3	1.3	1.4	1.5	1.8	1.9	1.8	1.5	
Troug			0.9		1.9			1.1	
Peak			14.2		17.6			15.5	
Na	139	140	144		140	138	137	138	
K	3.7	3.1	3.2		3.0	3.0	3.2	3.4	
Cl	100	109	107		108	109	105	101	
Co	18	20	24		25	27	25	22	
Urine			--						
Protein	+1	+3		+1	+2	+4	+2	+2	

4. other adverse drug reaction --

: monitoring gentamicin blood level and clinical sign closely because nephrotoxicity may be increased if cephalosporin and gentamicin are treated together.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Once daily treatmentName 2a Female Age 28 yr. Weight 54 kg. Height 155 cm. Dx. UTIGentamicin 160 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 3.0 mg/kg.

To treated UTI from enterococci sensitive gentamicin.

Combine with --

Adjusted dose yes. no. 100 mg.1. Efficacy yes. no. 2. Duration of treatment 8 days. (12/1/95 - 19/1/95)

dd/01/95	12	13	14	15	16*	17	18	19
t (°c)	38.9	37.5	37.0	36.5	36.8	36.9	37.2	36.0
wbc	20.0			11.0			8.7	
c/s	u/c enterococci			u/c - h/c -			u/c - h/c -	

3. Nephrotoxicity yes. no. D/C 20/01/95

<u>Blood</u>								
BUN	16			17			18	
Cr	0.7			1.1			1.1	
Troug				1.5			0.8	
Peak				10.4			9.0	
Na	137			141			140	
K	4.4			4.2			4.1	
Cl	107			108			109	
Co	26			26			28	
<u>Urine</u>								
Protein	+1			+2			+1	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

Gentamicin data record

Once daily treatment

Name 3a Female Age 72 yr. Weight 43 kg. Height 157 cm. Dx. Hypertension, hyperlipidemia, CVA.

Gentamicin 180 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 4.1 mg/kg.

To treated urinary tract infection from E.coli sensitive gentamicin and ampicillin.

Combine with ampicillin 2 gm. iv ever 6 hr.

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 5 days. (7/06/95 - 11/06/95)

dd/06/95	7	8	9	10	11
t (°c)	38.9	38.2	37.0	37.8	37.2
wbc	13.5		10.5		9.6
c/s	u/c <i>E.coli</i> h/c -		u/c - h/c -		u/c - h/c -

3. Nephrotoxicity yes. no. D/C 15/06/95

Blood				
BUN	13		15	15
Cr	1.7		1.6	1.1
Troug			0.1	
Peak			17.9	
Na	138		136	141
K	3.4		3.5	3.6
Cl	98		100	101
Co	19		20	24
Urine				
Protein	--		--	--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- enarapril (25) 1 tablet od.

-- gemfibocil (600) 1 tablet od.

-- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Once daily treatment

Name 4a Female Age 73 yr. Weight 40 kg. Height 160 cm. Dx. Chronic right leg ulcer. MM.
alteration of concious, edema with hypoalbuminemia.

Gentamicin 100 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 2.5 mg/kg.

To treated urinary tract infection from negative rod bacilli sensitive gentamicin.

Combine with augmentin 1.2 gm. iv ever 6 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 9 days. (9/11/95 - 18/11/95)

dd/11/95	9	10	11	12	13	14	15	16	17	18
t (°c)	37.0	37.0	37.0	37.7	37.8	38.2	36.0	38.5	36.8	37.2
wbc	16.9		12.3		10.3				8.5	
c/s	u/c negative rod bacilli		u/c - h/c -		u/c - h/c -				u/c - h/c -	

3. Nephrotoxicity O yes. ⊗ no. D/C 30/11/95

Blood										
BUN	25		25						11	
Cr	0.7		0.7						0.7	
Troug			0.4							
Peak			10.2							
Na	129		134						135	
K	3.9		3.0						2.8	
Cl	100		107						104	
Co	19		20						25	
Urine	wbc 20-25									
Protein	--								--	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function . With parenteral administration , dilution appears to attenuate a physicochemical incompatibility. Gentamicin and furosemide may possibly synergistic auditory toxicity so monitoring of hearing sholud be tested.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

- 10% kcl elixir 30 ml. qid. pc. 1 days.
- ranitidine 50 mg. iv push every 8 hr.
- 20% albumin 50 ml. iv. drip in 1 hr. stat.
- lasix 40 mg. iv. stat after albumin finished.
- melphalan 2 tablets bid. pc. 4 days.

Gentamicin data record

Once daily treatment

Name 5a Female Age 60 yr. Weight 48 kg. Height 155 cm. Dx. DM, old CVA, UTI, bed sore.
 Gentamicin 120 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 2.5 mg/kg.

To treated urinary tract infection from mix organism.

Combine with ceftriaxone 1 gm. iv ever 12 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 3 days. (13/11/95 - 16/11/95)

dd/11/95	13	14	15	16
t (°c)	37.7	37.8	36.6	37.0
wbc	11.0			8.7
c/s	u/c mix organism			u/c - h/c -

3. Nephrotoxicity O yes. ⊗ no. D/C 21/11/95

<u>Blood</u>				
BUN	23			18
Cr	1.3			1.1
Troug				0.1
Peak				12.5
Na	154			142
K	3.0			3.2
Cl	120			110
Co	18			20
<u>Urine</u>				
Protein	+2			+1

4. other adverse drug reaction --

: monitoring gentamicin blood level and clinical sign closely because nephrotoxicity may be increased if cephalosporin and gentamicin are treated together.

Other medication. -- nitroderm 5 mg. patch od.
 -- humulin-r 5 units subcutaneous injection stat.
 -- 10% kcl elixir 20 ml. tid. pc. 1 days.
 -- ranetidine (50) iv.push every 8 hr.
 -- dopamine (1: 1) iv. 8 microdrops/min.
 -- isosorbide dinitrate (10) 1 tablet tid pc.
 -- folic acid 1 tablet od.

Gentamicin data record

Once daily treatment

Name 6a Female Age 32 yr. Weight 60 kg. Height 162 cm. Dx. UTI
 Gentamicin 240 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 4.0 mg/kg.

To treated UTI from enterococci sensitive gentamicin.

Combine with --

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 5 days. (17/07/95 - 21/07/95)

dd/07/95	17	18	19	20	21
t (°c)	40.1	39.8	39.8	37.0	37.3
wbc	22.0	17.3			9.0
c/s	u/c <u>enterococci</u> h/c -				u/c - h/c -

3. Nephrotoxicity yes. no. D/C 23/07/95

Blood					
BUN	12		10		6
Cr	1.1		0.9		0.9
Troug			0.2		
Peak			18.9		
Na	140				138
K	3.4				3.6
Cl	98				100
Co	20				+1
Urine					
Protein	+2	+1			

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- dopamine (1: 1) iv. 10 microdrops/min.

-- amoxicillin (500) 1 capsule qid. by given complete course after stop gentamicin administration.

Gentamicin data record

Once daily treatment

Name 7a Female Age 70 yr. Weight 40 kg. Height 165 cm. Dx. pneumonia with ementia.
 Gentamicin 160 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 4.0 mg/kg.

To treated UTI from Klebsiella spp. and E.coli sensitive gentamicin and ampicillin.

Combine with ampicillin 1 gm. iv ever 6 hr.

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 5 days. (24/07/95 - 28/07/95)

dd/07/95	24	25	26	27	28
t (°c)	38.9	39.3	38.2	37.3	37.0
wbc	17.0			10.5	
c/s	u/c <i>Klebsiella</i> <i>spp.</i> and <i>E.coli</i>			u/c - h/c -	

3. Nephrotoxicity yes. no. D/C 1/08/95

Blood					
BUN	12		15	15	17
Cr	0.8		1.0	1.0	1.1
Troug			0.1		
Peak			11.5		
Na	141			140	143
K	3.2			3.4	3.5
Cl	100			101	101
Co	32			33	32
Urine					
Protein	--				

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- multivitamin 1 tablet tid. pc.
 -- flumucil 200 mg. tid. pc.
 -- cimetidine (200 2 tablets bid. pc.
 -- folic acid 1 tablet od.
 -- peck red cell 4 unit stat.
 -- furosemide 20 mg. iv.stat before administred peck red cell.

Gentamicin data record

Once daily treatment

Name 8a Female Age 57 yr. Weight 41 kg. Height 155 cm. Dx. NIDDM, MDS.

Gentamicin 160 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 3.9 mg/kg.

To treated urinary tract infection from mix organism.

Combine with cloxacillin 1 gm. iv ever 4 hr.

Adjusted dose yes. Ono. 100 mg.

1. Efficacy yes. no. 2. Duration of treatment 8 days. (21/11/95 - 28/11/95)

dd/11/95	21	22	23	24*	25	26	27	28
t (°c)	39.3	37.9	36.5	37.0	37.0	36.7	36.5	36.5
wbc	6.1		5.0				3.1	
c/s	u/c mix organism h/c -		u/c - h/c -				u/c - h/c -	

3. Nephrotoxicity yes. Ono. D/C 30/11/95

Blood							
BUN	20		26		11		13
Cr	1.3		1.7		1.2		1.1
Troug			1.8			1.1	
Peak			12.9			9.2	
Na	138				140		
K	3.0				3.3		
Cl	96				99		
Co	35				37		
Urine							
Protein	+1		+1		--		

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by cloxacillin appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranetidine (50) iv.push every 8 hr.

-- humulin-r 10 units subcutaneous injection stat.

Gentamicin data record

Once daily treatment

Name 9a Female Age 80 yr. Weight 41 kg. Height 157 cm. Dx. GI bleeding with paraplegia.

Gentamicin 120 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 3.0 mg/kg.

To treated urinary tract infection from *Klebsiella pneumoniae* sensitive gentamicin.

Combine with --

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 6 days. (12/06/95 - 17/06/95)

dd/06/95	12	13	14	15	16	17
t (°c)	38.2	37.5	37.0	38.2	37.5	37.5
wbc	16.5		10.5			8.7
c/s	u/c <i>Klebsiella pneumoniae</i>		u/c - h/c -			u/c - h/c -

3. Nephrotoxicity yes. no. D/C 18/06/95

<u>Blood</u>						
BUN	8		9			10
Cr	1.0		1.0			1.0
Troug			0.1			
Peak			17.0			
Na	136		134			135
K	4.0		3.8			3.5
Cl	110		105			102
Co	19		20			18
<u>Urine</u>						
Protein	--		--			--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine 50 mg. iv.push every 8 hr.

Gentamicin data record

Once daily treatmentName 10a Female Age 75 yr. Weight 45 kg. Height 155 cm. Dx. CVA, fracture femur with sepsis.Gentamicin 120 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 2.7 mg/kg.To treated urinary tract infection from E.coli sensitive gentamicin and cloxacillin.Combine with cloxacillin 1 gm. iv ever 6 hr.Adjusted dose yes. no.1. Efficacy yes. no. 2. Duration of treatment 4 days. (30/10/95 - 3/11/95)

dd/10/95	30	31	1/11	2	3	4	5
t (°c)	38.0	37.7	37.0	36.0	36.1	36.5	36.5
wbc	16.5		11.5		9.7		
c/s	u/c <i>E.coli</i> h/c -		u/c - h/c -		u/c - h/c -		

3. Nephrotoxicity yes. no. D/C 17/11/95

<u>Blood</u>							
BUN	61		18		11		12
Cr	1.6		0.8		0.7		0.7
Troug			0.8				
Peak			5.8				
Na	152		143		141		136
K	4.3		2.9		3.7		3.0
Cl	110		108		103		102
Co	23		23		21		27
<u>Urine</u>							
Protein	+1		+1		--		--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by cloxacillin appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- 10% kcl elixir 30 ml. stat.

-- isosorbide dinitrate (10) 1 tablet tid pc.

-- vitamin b₁₋₆₋₁₂ 1 tablet tid pc.

Gentamicin data record

Once daily treatmentName 11a Female Age 82 yr. Weight 50 kg. Height 160 cm. Dx. Headache, UTI.Gentamicin 160 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 3.2 mg/kg.To treated urinary tract infection from E.coli sensitive gentamicin and cloxacillin.Combine with cloxacillin (500) 1 tablet qid. ac.Adjusted dose yes. no.1. Efficacy yes. no. 2. Duration of treatment 10 days. (28/11/95 - 8/12/95)

dd/11/95	28	29	30	1/12	2	3	4	5	6	7	8
t (°c)	38.3	37.0	37.5	39.1	37.5	37.0	37.3	37.0	36.5	37.1	37.2
wbc	12.2			9.6			8.5		4.1		4.0
c/s	u/c <i>E.coli</i> h/c -			u/c - h/c -			u/c - h/c -		u/c - h/c -		u/c - h/c -

3. Nephrotoxicity yes. no. D/C 9/12/95

Blood										
BUN	8			5			10		9	11
Cr	1.0			0.7			0.8		0.8	0.9
Troug				0.7						
Peak				12.9						
Na	147			145			141		140	138
K	4.3			3.5			3.6		3.4	3.3
Cl	108			108			107		105	105
Co	27			29			30		27	26
Urine										
Protein	--			--			--		--	--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by cloxacillin appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- diazepam (5) 1 tablet hs.

Gentamicin data record

Once daily treatment

Name 12a Female Age 64 yr. Weight 42 kg. Height 160 cm. Dx. DM, spondylolithiasis

Gentamicin 180 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 4.3 mg/kg.

To treated urinary tract infection with sepsis from E.coli sensitive gentamicin.

Combine with ceftriaxone 1 gm. iv ever 12 hr.

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 3 days. (22/11/95 - 24/11/95)

dd/11/95	22	23	24	25	26	27	28	29
t (°c)	39.3	37.0	37.3	38.0	38.9	37.7	37.0	37.1
wbc	23.0	6.7	7.0			7.0		6.8
c/s	u/c <i>E.coli</i>	u/c - h/c -	u/c - h/c -			u/c - h/c -		u/c - h/c -

3. Nephrotoxicity yes. no. D/C 23/12/95

Blood							
BUN	32	25	22			20	19
Cr	1.8	1.8	1.5			1.4	1.4
Troug			0.8				
Peak			18.3				
Na	143	146	152			144	142
K	4.3	2.9	3.4			3.6	3.8
Cl	100	118	122			117	108
Co	25	17	19			20	21
Urine							
Protein	+1	+1	+1			--	--

4. other adverse drug reaction --

: monitoring gentamicin blood level and clinical sign closely because nephrotoxicity may be increased if cephalosporin and gentamicin are treated together.

Other medication. -- omeprazole 40 mg. iv every 12 hr.

-- kcl 10 Eq iv.drip. stat.

-- vitamin k 10 mg. iv. stat.

-- dopamine (2: 1) iv. 6 microdrops/min.

-- humulin-r 50 units iv. drip in 0.45% nss 100 ml. 12 microdrops/minute.

Gentamicin data record

Once daily treatmentName 13a Female Age 76 yr. Weight 54 kg. Height 160 cm. Dx. CVA, DM.Gentamicin 160 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 3.0 mg/kg.To treated urinary tract infection from E.coli sensitive gentamicin.

Combine with --

Adjusted dose yes. no.1. Efficacy yes. no. 2. Duration of treatment 13 days. (7/07/95 - 19/07/95)

dd/07/95	7	8	9	10	11	12	13	14	15	16	17	18	19
t (°c)	38.0	38.3	37.5	38.4	38.3	38.0	38.2	39.4	38.0	38.2	38.0	38.3	38.5
wbc	11.0		8.9				6.9		6.0				9.5
c/s	u/c <i>E.coli</i> h/c -		u/c - h/c -				u/c - h/c -		u/c - h/c -				u/c MRSA resistant gentamicin

3. Nephrotoxicity yes. no. D/C 30/07/95

Blood													
BUN	12		14		13		14		14				11
Cr	0.8		1.2		1.1		1.0		0.9				0.7
Troug			0.1										
Peak			19.6										
Na			137										139
K			3.9										3.8
Cl			103										100
Co			27										29
Urine													
Protein			+2										--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Other medication. -- humulin-r 10 units subcutaneous injection stat.

-- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- atenolol (50) 1 tablet od.

-- ranetidine (50) iv.push every 8 hr.

Gentamicin data record

Once daily treatmentName 14a Male Age 30 yr. Weight 53 kg. Height 170 cm. Dx. UTIGentamicin 160 mg. iv drip in 0.5 hr. ⊗ OD ○ q 8 hr. Dose 3.0 mg/kg.To treated UTI from mix organism.Combine with ampicillin 2 gm. iv ever 6 hr.

Adjusted dose ○ yes. ⊗ no.

1. Efficacy ⊗ yes. ○ no. 2. Duration of treatment 4 days. (7/11/95 - 11/11/95)

dd/11/95	7	8	9	10	11	12	13
t (°c)	39.1	38.0	38.5	37.2	37.5	37.3	37.0
wbc	14.4		10.1		8.8		
c/s	u/c mix organism		u/c - h/c -		u/c - h/c -		

3. Nephrotoxicity ○ yes. ⊗ no. D/C 13/11/95

Blood							
BUN	29		35		35		
Cr	1.1		1.1		1.3		
Troug			0.6				
Peak			14.0				
Na	152	163	157	147	143		
K	2.3	2.5	3.7	6.7	4.6		
Cl	105	103	116	118	114		
Co	32	37	22	17	18		
Urine							
Protein	+1	+1	+1	+1	+1		

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol 1 ampule iv. stat.

-- kcl 40 mEq⁺ injection stat.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Once daily treatment

Name 15a Male Age 27 yr. Weight 42 kg. Height 165 cm. Dx. Aplastic anemia with febrile neutropenia.

Gentamicin 160 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 3.8 mg/kg.

To treated urinary tract infection from staphylococci sensitive gentamicin.

Combine with PGS 2 million units iv ever 4 hr.

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 10 days. (4/11/95 - 13/11/95)

dd/11/95	4	5	6	7	8	9	10	11	12	13	14	15
t (° c)	39.8	40.2	40.0	38.6	39.0	38.8	38.9	40.0	39.5	38.7	38.3	38.6
wbc		2.7		2.3				2.7		1.8	2.6	2.0
c/s	u/c staphylococci h/c -			u/c - h/c -				u/c - h/c -		u/c - h/c -		

3. Nephrotoxicity yes. no. D/C 7/12/95

Blood												
BUN	12			20				20		18		
Cr	1.2			0.9				0.6		0.8		
Troug				0.1								
Peak				14.9								
Na				138				137		130		
K				4.2				3.6		3.7		
Cl				99				95		91		
Co				30				31		29		
Urine												
Protein				--				--		--		

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- FBC 1 tablet tid. pc.
 -- folic acid 1 tablet od.
 -- methinolone 5 tablets tid. pc.

Gentamicin data record

Once daily treatment

Name 16a Male Age 17 yr. Weight 60 kg. Height 170 cm. Dx. Heroin overdose
brain anoxia, acute hepatonecrosis, UGIB.

Gentamicin 240 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 4.0 mg/kg.

To treated urinary tract infection from *Acinetobacter baumannii* sensitive gentamicin.

Combine with cloxacillin 1 gm. iv ever 6 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 7 days. (29/06/95 - 6/07/95)

dd/06 /95	29	30	1/7	2	3	4	5	6
t (° c)	38.7	38.7	38.4	38.0	38.2	38.3	37.6	37.5
wbc	11.0		9.6		8.4		7.6	
c/s	u/c <i>Acinetobacter</i> <i>baumanni</i>		u/c - h/c -		u/c - h/c -		u/c - h/c -	

3. Nephrotoxicity O yes. ⊗ no. D/C 28/08/95

Blood							
BUN	14		14		15		16
Cr	0.8		0.8		0.8		0.9
Troug			0.1				
Peak			17.6				
Na	137		138		138		140
K	3.5		3.2		3.0		3.4
Cl	101		100		100		103
Co	27		27		27		24
Urine							
Protein	+1		+1		+1		+1

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by cloxacillin appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- flumucil (200) 1 sache bid. pc.

-- paracetamol 1 ampule iv. stat.

-- ranetidine (50) iv.push every 8 hr.

Gentamicin data record

Once daily treatment

Name 17a Female Age 35 yr. Weight 42 kg. Height 160 cm. Dx. Leukemia, leukocytopenia, hypermenorrhea, low back pain.

Gentamicin 160 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 3.8 mg/kg.

To treated fever of undetermined origin.

Combine with PGS 5 million units iv ever 4 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 13 days. (3/09/95 - 15/09/95)

dd/09/95	3	4	5	6	7	8	9	10	11	12	13	14	15
t (°c)	40.2	38.6	40.1	37.5	40.1	38.1	38.1	37.5	37.6	37.4	37.1	37.0	37.2
wbc	3.0			3.2			4.0			4.2		4.0	
c/s	u/c - h/c -			stool/c -			u/c - h/c -			u/c - h/c -		u/c - h/c -	

3. Nephrotoxicity O yes. ⊗ no. D/C 11/11/95

Blood													
BUN	9			10			12			12		11	
Cr	0.9			0.9			1.0			1.0		0.9	
Troug				0.8									
Peak				10.4									
Na	138			136			137			138		137	
K	3.8			3.5			3.6			3.9		3.5	
Cl	107			106			108			100		101	
Co	25			28			28			29		29	
Urine													
Protein	+2			--			--			--			

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

- diazepam (5) 1 tablet hs.
- primolut-n 1 tablet bid. pc.
- prednisolone (5) 4 tablets tid. pc.
- ranetidine (150) 1 tablet bid.pc.

Gentamicin data record

Once daily treatment

Name 18a Female Age 42 yr. Weight 70 kg. Height 160 cm. Dx. Peptic ulcer. GI bleeding.
 Gentamicin 200 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 3.0 mg/kg.

To treated fever of undetermined origin.

Combine with ampicillin 1 gm. iv ever 6 hr.

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 3 days. (10/07/95 - 13/07/95)

dd/07/95	10	11	12	13
t (°c)	39.6	38.7	37.1	36.9
wbc	14.5		10.5	9.6
c/s	u/c - , h/c -		u/c - , h/c -	

3. Nephrotoxicity yes. no. D/C 14/07/95

Blood				
BUN	28		30	
Cr	1.7		2.0	
Troug			2.0	
Peak			14.9	
Na	139		140	
K	3.8		3.6	
Cl	110		101	
Co	20		19	
Urine				
Protein	--		--	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

-- vitamin k 10 mg. iv. od.

Gentamicin data record

Once daily treatmentName 19a Female Age 27 yr. Weight 60 kg. Height 162 cm. Dx. FUOGentamicin 240 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 3.3 mg/kg.To treated fever of undetermined origin.

Combine with --

Adjusted dose yes. no.1. Efficacy yes. no. 2. Duration of treatment 4 days. (18/07/95 - 22/07/95)

dd/07/95	18	19	20	21	22
t (°c)	38.7	39.0	37.8	37.0	37.5
wbc	17.0			9.6	
c/s	u/c - h/c -			u/c - h/c -	

3. Nephrotoxicity yes. no. D/C 23/07/95

<u>Blood</u>					
BUN	12			15	
Cr	0.8			1.0	
Troug				0.1	
Peak				11.5	
Na	140			141	
K	3.2			3.3	
Cl	100			96	
Co	32			32	
<u>Urine</u>					
Protein	--			--	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Once daily treatment

Name 20a Male Age 41 yr. Weight 65 kg. Height 170 cm. Dx. NHLGentamicin 200 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 3.1 mg/kg.To treated fever of undetermined origin.Combine with PGS 2 million units iv ever 4 hr.Adjusted dose yes. no.1. Efficacy yes. no. 2. Duration of treatment 8 days. (9/08/95 - 17/08/95)

dd/08/95	9	10	11	12	13	14	15	16	17	18
t (°c)	40.1	39.6	38.1	38.6	37.0	36.5	36.1	37.0	37.5	36.4
wbc	13.3			12.9			10.5		8.4	
c/s	u/c - h/c -			u/c - h/c -			u/c - h/c -		u/c - h/c -	

3. Nephrotoxicity yes. no. D/C 11/09/95

Blood										
BUN	11			9			10		11	
Cr	0.8			0.6			0.8		0.9	
Troug				0.1						
Peak				18.5						
Na	137						139		140	
K	3.3						3.6		3.8	
Cl	98						100		105	
Co	19						22		22	
Urine										
Protein	--						--		--	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

-- prednisolone (5) 20 tablet od. pc.

-- cyclophosphamide 2500 mg. dilute to nss. 1000 ml. iv. drip in 24 hrs. 2 days.

-- etopoxide 675 mg. dilute to nss. 1000 ml. iv. drip in 24 hrs. 3 days.

-- dexamethasone 8 mg. iv. before given chemotherapy agents.

-- metoclopramide 10 mg. iv. before given chemotherapy agents.

Gentamicin data record

Once daily treatment

Name 21a Male Age 31 yr. Weight 58 kg. Height 170 cm. Dx. CML, jaundice, anemia, hepatosplenomagaly, generalized lymphodenopathy.

Gentamicin 160 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 2.8 mg/kg.

To treated fever of undetermined origin.

Combine with Ampicillin 1 gm. iv ever 6 hr.

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 13 days. (14/08/95 - 27/08/95)

dd/08/95	14	15	16	17	18	19	20	21	22	23	24	25	26	27
t (°c)	39.5	38.7	38.7	38.3	37.0	36.7	36.5	36.9	36.0	37.0	37.1	37.2	36.9	36.4
wbc	119.0	110.0			80.0			14.0		12.1		11.0		8.6
c/s	u/c - h/c -	u/c - h/c -			u/c - h/c -			u/c - h/c -		u/c - h/c -		u/c - h/c -		u/c - h/c -

3. Nephrotoxicity yes. no. D/C 28/08/95

Blood														
BUN	16	18			18			20				18		18
Cr	1.2	1.2			1.2			1.3				1.2		1.2
Troug			0.1											
Peak			9.7											
Na	142	136			137			138						
K	4.4	4.4			4.2			4.0						
Cl	107	103			101			100						
Co	22	21			19			17						
Urine														
Protein	+1	+1			+1			+1						

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (150) 1 tablet bid.pc.

-- allopurinol (100) 1 tablet tid. pc.

Gentamicin data record

Once daily treatment

Name 22a Female Age 64 yr. Weight 42 kg. Height 158 cm. Dx. Septic arthritis.
 Gentamicin 180 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 4.3 mg/kg.

To treated septic arthritis from mix organism.

Combine with cloxacillin 2 gm. iv ever 4 hr.

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 12 days. (7/12/95 - 19/12/95)

dd/12/95	7	8	9	10	11	12	13	14	15	16	17	18	19
t (°c)	37.0	38.2	38.2	38.5	36.0	37.8	38.5	37.0	37.2	37.4	36.9	36.4	36.1
wbc	13.4		10.5		9.6		9.1		8.7			6.9	
c/s	synovial fluid/c mix organis m		u/c - h/c -		u/c - h/c -		u/c - h/c -		u/c - h/c -			synovial fluid -	

3. Nephrotoxicity yes. no. D/C 27/12/95

Blood													
BUN	27		24		18		14		14			16	
Cr	0.9		1.0		0.9		0.8		0.8			1.0	
Troug			0.1										
Peak			10.5									140	
Na	136		138		134		137		135			3.5	
K	3.5		3.9		3.6		2.9		3.3			103	
Cl	103		100		96		102		100			25	
Co	24		25		27		27		27				
Urine													
Protein	--		+/-		+/-		--		--			--	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by cloxacillin appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (150) 1 tablet bid.pc.

-- 10% kcl elixir 15 ml. qid. pc. 1 day.

Gentamicin data record

Once daily treatmentName 23a Female Age 94 yr. Weight 36 kg. Height 155 cm. Dx. Septic arthritis.Gentamicin 140 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 3.9 mg/kg.To treated septic arthritis from rod bacilli sensitive gentamicin.Combine with cloxacillin 1 gm. iv ever 6 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 3 days. (27/10/95 - 30/10/95)

dd/10/95	27	28	29	30	31	1/11
t (° c)	37.5	38.0	37.0	36.8	37.0	37.2
wbc		5.4			6.0	
c/s	synovial fluid/c rod bacilli	u/c - h/c -		synovial fluid/c-	u/c - h/c -	

3. Nephrotoxicity O yes. ⊗ no. D/C 5/11/95

<u>Blood</u>						
BUN	7	7		8		
Cr	1.0	1.0		1.0		
Troug			0.5			
Peak			15.2			
Na		140		142		
K		3.6		3.2		
Cl		100		102		
Co		19		22		
<u>Urine</u>						
Protein		--		--		

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by cloxacillin appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- hydrochlorothiazide (50) 1/2 tablet od.

-- 10% kcl elixir 30 ml. tid. pc. 1 day.

Gentamicin data record

Once daily treatmentName 24a Male Age 36 yr. Weight 60 kg. Height 170 cm. Dx. Septic arthritis.Gentamicin 240 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 4.0 mg/kg.To treated arthritis from mix organism.Combine with cloxacillin 2 gm. iv ever 6 hr.Adjusted dose yes. no.1. Efficacy yes. no. 2. Duration of treatment 5 days. (3/11/95 - 7/11/95)

dd/11/95	3	4	5	6	7
t (°c)	38.2	38.0	36.9	36.8	36.0
wbc	8.1	7.8			
c/s	synovial fluid/c mix organism		u/c -, h/c -		u/c -, h/c -, synovial fluid/c -

3. Nephrotoxicity yes. no. D/C 8/11/95

Blood				
BUN	7		8	10
Cr	0.8		0.8	0.9
Troug			1.0	
Peak			13.2	
Na	136		140	138
K	5.0		4.6	4.4
Cl	105		107	103
Co	24		19	20
Urine				
Protein	--		--	--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by cloxacillin appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Once daily treatment

Name 25a Female Age 75 yr. Weight 40 kg. Height 157 cm. Dx. Maculopapular rash, skin ulcer, septic arthritis right hip.
Gentamicin 160 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 4.0 mg/kg.

To treated wound infection from Staphylococcus aureus and Staphylococcus septicemia sensitive gentamicin and clindamycin.
Combine with clindamycin 600 mg. iv ever 8 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy O yes. ⊗ no. 2. Duration of treatment 9 days. (20/11/95 - 29/11/95)

dd/11/95	20	21	22	23	24	25	26	27	28	29
t (°c)	40.9	40.5	39.6	40.4	38.5	38.7	37.5	36.5	35.8	38.3
wbc	6.3				13.2			17.6		
c/s	skin ulcer/c <u>Staphylococcus aureus and</u> <u>Staphylococcus septicemia</u>		u/c - h/c -		u/c - h/c -			u/c - h/c -	skin ulcer/ c -	

3. Nephrotoxicity O yes. ⊗ no. Dead from sepsis. 29/11/95

Blood										
BUN	44		24		27			25		
Cr	1.7		1.4		1.4			1.4		
Troug			0.7							
Peak			10.2							
Na	146		130		127			126		
K	5.2		4.8		4.2			4.7		
Cl	108		99		98			99		
Co	23		19		23			20		
Mg			2.0					1.1		
Protein	-+3		+1		+1			+1		

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Other medication.-- paracetamol (500) 2 tablets every 4-6 hr. for fever.

- ranetidine (50) iv.push every 8 hr.
- mebendazole (100) 1 tablet bid. pc. 3 days.
- neurobion 1 tablet tid. pc.actulose 15 ml. tid. pc.
- lasix 40 mg. iv. stat.
- 3% kcl elixir 30 ml. feed qid pc.
- dopamine (1 : 1) iv. 10 microdrops/min.
- dobutamine (2:1)
- 8.4% sodium bicarbonate 20 ml. in iv fluid.
- 20 % magnesium sulphate 20 ml. iv. drip in 5% d/nss 500 ml.
- berodual (1:3) nebulizer stat.

Gentamicin data record

Once daily treatment

Name 26a Female Age 67 yr. Weight 42 kg. Height 160 cm. Dx. CA colon with sepsis, alteration of concious with localizing sign.
 Gentamicin 160 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 3.8 mg/kg.

To treated sepsis from Pseudomonas aeruginosa sensitive gentamicin.

Combine with PGS 2 million units iv ever 4 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 9 days. (23/09/95 - 1/10/95)

dd/09/95	23	24	25	26	27	28	29	30	1/1
t (°c)	39.8	39.6	39.6	40.1	38.9	37.9	36.3	37.1	36.5
wbc	20.5		22.0		15.0		8.6		7.5
c/s	u/c - h/c -		h/c <i>Pseudomonas aeruginosa</i>		u/c - h/c -		u/c - h/c -		

3. Nephrotoxicity O yes. ⊗ no. Dead 2/10/95

<u>Blood</u>									
BUN	20		18		19		20	20	
Cr	1.0		0.9		1.0		1.1	1.1	
Troug			0.1						
Peak			11.9						
Na	130		131		134		133	134	
K	3.3		3.2		3.3		3.1	3.2	
Cl	98		99		97		100	101	
Co	25		27		27		28	28	
<u>Urine</u>									
Protein	--		--		--		--	--	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

- 10% kcl elixir 15 ml. qid. pc.
- ranitidine (50) iv.push every 8 hr.
- allopurinol (100) 1 tablet tid pc.

Gentamicin data record

Once daily treatment

Name 27a Female Age 24 yr. Weight 38 kg. Height 155 cm. Dx. CML with blastic transformation.

Gentamicin 150 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 4.0 mg/kg.

To treated septic work cover with gentamicin and ampicillin.

Combine with ampicillin 1 gm. iv ever 6 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 16 days. (12/09/95 - 28/09/95)

dd/09/95	12	13	14	15	16	17	18	19	20
t (°c)	39.0	39.1	38.7	38.4	38.3	38.0	37.6	38.0	38.1
wbc	11.7				10.9	8.0			7.0
c/s	h/c - mix organism		u/c - h/c -			u/c - h/c -			u/c - h/c -
<u>Blood</u>									
BUN	5		5			7			8
Cr	0.8		0.8			0.9			0.9
Troug			0.8						
Peak			15.0						
Na	136		137			140			139
K	3.1		3.1			3.3			3.4
Cl	107		104			105			107
Co	26		23			24			25
Mg ²⁺									1.7
Protein	--		--			--			--

dd/09/95	21	22	23	24	25	26	27	28
t (°c)	37.1	36.5	36.0	37.1	37.4	37.0	36.5	36.9
wbc		8.0		8.8		8.3		7.5
c/s				u/c - h/c -		u/c - h/c -		u/c - h/c -
<u>Blood</u>								
BUN				7				10
Cr				0.8				1.0
Troug								
Peak								
Na				140				138
K				2.9				3.2
Cl				103				105
Co				30				24
Mg ²⁺								
Protein				--				--

3. Nephrotoxicity O yes. ⊗ no. D/C 4/10/95

4. other adverse drug reaction --

:monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- metoclopramide 1 tablet tid. ac.

-- calcium carbonate 1 tablet tid. pc.

-- prednisolone 3 tablets od.

-- sucralfate (1gm) 1 tablet qid. pc.+hs.

-- cimetidine (400) 1 tablet bid. pc.

-- 10% kcl elixir 30 ml. tid. pc.+hs. 3 days

-- chlorpheniramine 1 ampule stat.

-- dexamethasone 1 ampule stat.

-- kamilosan-m 3 puff tid.

Gentamicin data record

Once daily treatmentName 28a Female Age 27 yr. Weight 55 kg. Height 160 cm. Dx. R/O sepsis.Gentamicin 240 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 4.4 mg/kg.To treated sepsis from mix organism.Combine with piperacillin 4 gm. iv ever 6 hr.Adjusted dose yes. no.1. Efficacy yes. no. 2. Duration of treatment 8 days. (26/10/95 - 4/11/95)

dd/10/95	26	27	28	29	30	31	1/11	2	3	4
t (°c)	40.1	39.6	39.6	38.2	37.6	38.2	38.1	38.2	37.5	37.2
wbc	18.0			12.3		11.6			10.0	
c/s	u/c - , h/c mix organism			u/c - h/c -		u/c - h/c -			u/c - h/c -	

3. Nephrotoxicity yes. no. D/C 6/11/95

<u>Blood</u>									
BUN	15			16		18			18
Cr	0.8			0.9		0.9			0.9
Troug				0.1					
Peak				17.6					
Na	134			136		136			134
K	3.2			3.5		3.8			3.5
Cl	95			100		97			98
Co	17			19		16			19
<u>Urine</u>									
Protein	--			--		--			--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- diazepam 10 mg. stat.

Gentamicin data record

Once daily treatmentName 29a Male Age 67 yr. Weight 35 kg. Height 175 cm. Dx. Sepsis.Gentamicin 140 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 4.0 mg/kg.To treated sepsis from Staphylococcus aureus sensitive gentamicin and piperacillinCombine with piperacillin 4 gm. iv ever 6 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 10 days. (15/08/95 - 24/08/95)

dd/08/95	15	16	17	18	19	20	21	22	23	24
t (°c)	40.8	39.1	39.6	39.4	38.3	37.1	37.9	36.5	36.8	37.2
wbc	22.0			15.2			9.8		8.7	
c/s	u/c - , h/c <i>Staphylococcus aureus</i>			u/c - h/c -			u/c - h/c -		u/c - h/c -	

3. Nephrotoxicity O yes. ⊗ no. D/C 26/08/95

<u>Blood</u>										
BUN	8			10			12		13	
Cr	1.0			1.1			1.2		1.2	
Troug				0.6						
Peak				7.7						
Na	138			137			138		140	
K	3.6			3.5			3.6		3.6	
Cl	101			98			98		101	
Co	18			20			20		20	
<u>Urine</u>										
Protein	--			--			--		+1	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

-- diazepam (2) 1 tablet tid. pc.

Gentamicin data record

Once daily treatment

Name 30a Female Age 18 yr. Weight 65 kg. Height 160 cm. Dx. Febrile neutropenia.

Gentamicin 200 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 3.0 mg/kg.

To treated febrile neutropenia.

Combine with PGS 12 million units per day.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 8 days. (24/06/95 - 1/07/95)

dd/06 /95	24	25	26	27	28	29	30	1/7
t (°c)	39.5	39.0	39.3	38.5	37.4	38.3	37.2	37.0
wbc			66.3		12.8			8.0
c/s	u/c - h/c -		u/c - h/c -		u/c - h/c -			u/c - h/c -

3. Nephrotoxicity O yes. ⊗ no. D/C 2/07/95

<u>Blood</u>								
BUN	5		6		8			8
Cr	0.8		0.8		0.8			0.6
Troug			0.1					
Peak			14.2					
Na	142		140					139
K	4.4		4.4					4.2
Cl	105		103					107
Co	22		25					25
<u>Urine</u>								
Protein	--		--					--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- chlorpheniramine (4) 1 tablet qid. pc.+hs.

-- dextromethiphane 1 tablet qid. pc.+hs.

-- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- allopurinol (100) 1 tablet bid. pc. 2 days and then following 1 tablet od.

-- metoclopramine 1 tablet tid. ac.

-- carminative mixture 30 ml. qid. pc.+hs.

-- idarubicin 18 mg. iv.push 3 days.

-- ara-c 150 mg. in 5%D/W iv. drip in 24 hr. od. 7 days.

-- metoclopramide 1 ampule slow iv. prn every 6 hr. for nausea/vomiting.

Gentamicin data record

Once daily treatmentName 31a Male Age 40 yr. Weight 75 kg. Height 170 cm. Dx. CML.Gentamicin 200 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 2.7 mg/kg.To treated febrile neutropenia.Combine with augmentin 1.2 gm. iv. ever 8 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 9 days. (13/11/95 - 21/11/95)

dd/11/95	13	14	15	16	17	18	19	20	21
t (°c)	40.9	39.1	39.4	38.6	38.4	38.1	37.1	37.8	36.9
wbc	17.7		17.0		16.4			6.6	
c/s	u/c - h/c -		u/c - h/c -		u/c - h/c -			u/c - h/c -	

3. Nephrotoxicity O yes. ⊗ no. D/C 24/11/95

<u>Blood</u>									
BUN	20		20		21			23	
Cr	1.0		1.0		1.1			1.3	
Troug			0.5						
Peak			9.6						
Na	135		138		140			142	
K	3.4		3.5		3.8			3.7	
Cl	90		92		95			96	
Co	25		23		22			20	
<u>Urine</u>									
Protein	--		--		--			+1	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- metoclopramide iv. stat.

-- vincristin 2 mg. iv. stat

-- adriamycin 70 mg. iv stat.

-- dexamethasone 5 mg. iv. every 6 hr.

Gentamicin data record

Once daily treatmentName 32a Female Age 27 yr. Weight 38 kg. Height 155 cm. Dx. AMM, herpes zoster virus.Gentamicin 160 mg. iv drip in 0.5 hr. ⊗ OD ⊙ q 8 hr. Dose 4.2 mg/kg.To treated upper leg cellulitis from Staphylococcus epidermidis sensitive gentamicin.Combine with clindamicin 600 mg. iv every 6 hr.

Adjusted dose ⊙ yes. ⊗ no.

1. Efficacy ⊙ yes. ⊗ no. 2. Duration of treatment 10 days. (3/1/95 - 12/1/95)

dd/01/95	3	4	5	6	7	8	9	10	11	12
t (°c)	39.5	39.5	39.4	38.3	38.9	39.7	39.1	38.2	38.1	39.3
wbc	20.0	21.0		19.5		17.0			14.0	
c/s	wound/c <i>Staphylococcus epidermidis</i>			u/c - h/c -		u/c - h/c -			u/c - h/c -	

3. Nephrotoxicity ⊙ yes. ⊗ no. D/C 18/1/95

Blood									
BUN	12			13		8			13
Cr	0.7			0.5		0.3			0.4
Trough				0.9					
Peak				10.5					
Na	134			133		131			128
K	3.9			4.0		3.1			3.2
Cl	100			99		96			94
Co	29			30		31			30
Urine									
Protein	--			--		--			--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function.

Other medication. -- chlorpheniramine (4) 1 tablet qid. pc.+hs.

-- serratiopeptidase 1 tablet tid. pc.

-- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- acyclovira (400) 2 tablet every 5 hr. for 5 days.

-- paracetamol 1 ampule iv. stat.

-- ranetidine (50) iv.push every 8 hr.

-- myleran (2) 1 tablet od.for Monday and Friday.

-- allopurinol (300) 1 tablet od.for Monday and Friday.

Gentamicin data record

Once daily treatmentName 33a Female Age 45 yr. Weight 42 kg. Height 160 cm. Dx. DM.Gentamicin 160 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 3.8 mg/kg.To treated wound infective cellulitis from streptococci sensitive gentamicin and cloxacillin.Combine with cloxacillin 1 gm. iv ever 4 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 4 days. (30/06/95 - 3/07/95)

dd/06/95	30	1/7	2	3
t (°c)	39.9	38.5	37.0	37.3
wbc	17.8			8.7
c/s	wound/c streptococci		u/c - h/c -	wound/c -

3. Nephrotoxicity O yes. ⊗ no. D/C 13/07/95

Blood				5/7	8/7	12/7
BUN	11		17	15	14	9
Cr	0.8		1.1	1.0	1.0	0.8
Troug			0.1			
Peak			19.6			
Na	140		142			
K	3.2		3.0			
Cl	100		97			
Co	32		30			
Urine						
Protein	+1		--	--	--	--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by cloxacillin appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

Gentamicin data record

Once daily treatment

Name 34a Female Age 57 yr. Weight 60 kg. Height 160 cm. Dx. Valvula heart disease with coronary heart disease, pure red cell aplasia.

Gentamicin 160 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 2.8 mg/kg.

To treated pneumonia from *Klitsiella pneumoniae* sensitive gentamicin.

Combine with ceftriaxone 1 gm. iv ever 12 hr.

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 3 days. (8/08/95 - 10/08/95)

dd/08 /95	8	9	10
t (°c)	38.3	37.0	37.8
wbc	7.7		6.8
c/s	u/c - , h/c -, sputum/c <i>Klitsiella pneumoniae</i>		u/c- ,h/c - , sputum/c -

3. Nephrotoxicity yes. no. D/C 23/08/95

<u>Blood</u>			
BUN	16		18
Cr	1.7		1.8
Troug			0.6
Peak			14.9
Na	135		141
K	4.1		4.2
Cl	97		101
Co	24		16
<u>Urine</u>			
Protein	+2		+2

4. other adverse drug reaction --

: monitoring gentamicin blood level and clinical sign closely because nephrotoxicity may be increased if cephalosporin and gentamicin are treated together.

Other medication. -- prednisolone (5) 3 tablet od.

-- cimetidine (400) 1 tablet bid. pc.

Gentamicin data record

Once daily treatmentName 35a Male Age 30 yr. Weight 55 kg. Height 170 cm. Dx. Benzodiazepine overdose, IE.Gentamicin 200 mg. iv drip in 0.5 hr. ⊗ OD ○ q 8 hr. Dose 3.6 mg/kg.To treated pneumonia from mix organism.Combine with PGS 3 million units iv ever 4 hr.

Adjusted dose ○ yes. ⊗ no.

1. Efficacy ⊗ yes. ○ no. 2. Duration of treatment 7 days. (15/07/95 - 22/07/95)

dd/07/95	15	16	17	18	19	20	21	22
t (°c)	39.0	40.0	39.0	38.5	38.0	37.1	36.5	36.8
wbc	14.1			8.9			7.5	
c/s	sputum/c mix organism			u/c - h/c -			u/c - , h/c - sputum -	

3. Nephrotoxicity ○ yes. ⊗ no. D/C 23/07/95

<u>Blood</u>								
BUN	17		19		22		28	
Cr	0.9		1.0		0.9		0.9	
Troug			0.1					
Peak			13.2					
Na	137				132		134	
K	4.0				4.9		4.7	
Cl	101				98		97	
Co	22				22		22	
<u>Urine</u>								
Protein	--				--		--	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

Gentamicin data record

Once daily treatmentName 36a Male Age 24 yr. Weight 68 kg. Height 170 cm. Dx. Coma, epicarditic injury, electric shock, IE.Gentamicin 240 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 3.5 mg/kg.To treated pneumonia from *Pseudomonas aeruginosa*, α -streptococci and *Neisseria spp.* sensitive gentamicin and ceftazidime.Combine with ceftazidime 1 gm. iv ever 8 hr.Adjusted dose yes. no.1. Efficacy yes. no. 2. Duration of treatment 11 days. (8/09/95 - 18/09/95)

dd090/95	8	9	10	11	12	13	14	15	16	17	18
t (° c)	38.7	37.5	38.5	38.6	38.2	37.1	36.5	36.2	37.1	37.3	37.0
wbc	21.1		17.5				10.5			8.7	
c/s	sputum/c <u><i>Pseudomonas aeruginosa</i></u> <u>α-streptococci</u> <u><i>Neisseria spp.</i></u>		u/c - h/c -				s/c - u/c - h/c -			s/c - u/c - h/c -	

3. Nephrotoxicity yes. no. D/C 19/09/95

Blood										
BUN	18		24				19			23
Cr	0.9		0.9				0.8			0.9
Troug			0.6							
Peak			9.9							
Na	141		144				142			40
K	3.9		3.9				4.6			4.1
Cl	105		104				103			105
Co	24		19				21			22
Urine										
Protein	--		+1				--			--

4. other adverse drug reaction --

: monitoring gentamicin blood level and clinical sign closely because ceftazidime appear to compete for renal elimination in subjects with normal renal function, changes in kinetic parameters are of little clinical significance.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- paracetamol 1 ampule iv. stat.

Gentamicin data record

Once daily treatment

Name 37a Male Age 66 yr. Weight 55 kg. Height 170 cm. Dx. COPD with pneumonia of right lung.

Gentamicin 160 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 3.3 mg/kg.

To treated pneumonia from Hemophilus influenza and Klebseilla pneumoniae sensitive gentamicin and ceftriaxone.

Combine with ceftriaxone 1 gm. iv ever 12 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 7 days. (4/08/95 - 10/08/95)

dd/08/95	4	5	6	7	8	9	10
t (°c)	40.0	38.5	38.5	37.0	36.5	36.4	36.8
wbc	35.5		19.7		10.0		8.8
c/s	sputum/c <i>Hemophilus influenza</i> and <i>Klebseilla pneumoniae</i>		u/c - h/c -		s/c - h/c -		s/c - h/c -

3. Nephrotoxicity O yes. ⊗ no. D/C 11/08/95

<u>Blood</u>						
BUN	18		22		22	20
Cr	1.1		1.2		1.2	1.1
Troug			0.1			
Peak			17.0			
Na	136		137		136	140
K	4.3		4.4		4.0	4.1
Cl	93		90		91	94
Co	30		31		28	27
<u>Urine</u>						
Protein	+2		+1		+1	+1

4. other adverse drug reaction --

: monitoring gentamicin blood level and clinical sign closely because nephrotoxicity may be increased if cephalosporin and gentamicin are treated together.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- prednisolone 2 tablets od.

Gentamicin data record

Once daily treatment

Name 38a Female Age 19 yr. Weight 50 kg. Height 160 cm. Dx. ALL.Gentamicin 240 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 4.8 mg/kg.To treated infectious diarrhoe from Salmonella spp. sensitive gentamicin and PGS.Combine with PGS 2 million units iv ever 4 hr.Adjusted dose yes. no.1. Efficacy yes. no. 2. Duration of treatment 9 days. (3/08/95 - 11/08/95)

dd/08/95	3	4	5	6	7	8	9	10	11
t (°c)	40.0	40.0	41.4	39.0	38.6	37.5	37.2	36.5	37.0
wbc			0.5		0.3				0.3
c/s	stool/c <i>Salmonella spp.</i>		u/c - h/c -		u/c - h/c -			u/c - h/c -	stool/c -

3. Nephrotoxicity yes. no. D/C 12/08/95

Blood									
BUN	21		6		6				11
Cr	0.8		0.8		0.8				1.0
Troug			0.7						
Peak			10.5						
Na	134		138		140				140
K	4.0		3.5		2.6				2.2
Cl	98		99		107				110
Co	23		21		20				18
Urine									
Protein	--		--		--				--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Once daily treatmentName 39a Female Age 19 yr. Weight 50 kg. Height 157 cm. Dx. ALL.Gentamicin 240 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 4.8 mg/kg.To treated IE from gamma- streptococci sensitive gentamicin and PGS.Combine with PGS 2 million units iv ever 4 hr.Adjusted dose ⊗ yes. O no. 140 mg.1. Efficacy ⊗ yes. O no. 2. Duration of treatment 14 days. (3/07/95 - 17/07/95)

dd/07/95	3	4	5	6	7	8	9	10
t (°c)	40.0	40.0	40.4	39.0	39.5	38.0	40.5	40.4
wbc			0.5		0.3		0.4	
c/s	h/c gamma streptococci		u/c - h/c -		u/c - h/c -		u/c - h/c -	
<u>Blood</u>								
BUN	6				11			
Cr	0.7				1.0			
Troug					0.8			
Peak					18.6			
Na	134				140	140		
K	4.0				2.6	3.4		
Cl	98				107	112		
Co	23				20	18		
<u>Urine</u>								
Protein	--				--	--		

dd/07/95	11	12*	13	14	15	16	17	18	19	20	21
t (°c)	40.1	38.5	38.5	39.0	38.0	37.5	37.0				
wbc	0.4		0.3				0.3				
c/s	u/c - h/c -		u/c - h/c -				u/c - h/c -				
<u>Blood</u>											
BUN	20		18				22			16	
Cr	1.5		1.4				1.5			1.1	
Troug	5.2			2.8							
Peak	22.2			20.4							
Na	140		144				141				
K	2.2		2.4				2.4				
Cl	110		111				107				
Co	18		19				20				
<u>Urine</u>											
Protein	+2		+1				+1			--	

3. Nephrotoxicity ⊗ yes. O no. D/C 21/07/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- paracetamol 1 ampule iv. stat.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Once daily treatment

Name 40a Female Age 30 yr. Weight 60 kg. Height 160 cm. Dx. RHD
 Gentamicin 210 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 3.5 mg/kg.

To treated IE from enterococci sensitive gentamicin and ampicillin.

Combine with ampicillin 2 gm. iv ever 4 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 14 days. (19/08/95 - 1/09/95)

dd/08/95	19	20	21	22	23	24	25	26	27	28	29	30	31	1/9
t (°c)	39.1	38.2	38.4	38.5	39.2	39.6	38.4	37.9	37.4	37.0	36.5	36.9	37.1	36.4
wbc	14.1			14.0			11.6			10.1			9.6	
c/s	aortic valve/c and h/c entero cocci			u/c - h/c -			u/c - h/c -			u/c - h/c -			u/c - h/c -	

3. Nephrotoxicity O yes. ⊗ no. D/C 2/09/95

<u>Blood</u>														
BUN	20			20			22			23			25	
Cr	1.2			1.3			1.1			1.2			1.3	
Troug				0.1										
Peak				9.7										
Na	138			140			139			137			140	
K	3.7			3.5			3.3			3.5			3.5	
Cl	109			104			98			91			94	
Co	28			27			26			27			28	
<u>Urine</u>														
Protein	--			--			--			--			+1	

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- paracetamol 1 ampule iv. stat.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Once daily treatmentName 41a Female Age 35 yr. Weight 57 kg. Height 160 cm. Dx. Hypertension.Gentamicin 200 mg. iv drip in 0.5 hr. ⊗ OD ○ q 8 hr. Dose 3.5 mg/kg.To treated IE from Streptococcus viridan sensitive gentamicin and PGS.Combine with PGS 3 million units iv ever 4 hr.

Adjusted dose ○ yes. ⊗ no.

1. Efficacy ○ yes. ⊗ no. 2. Duration of treatment 8 days. (8/08/95 - 16/08/95)

dd/08/95	8	9	10	11	12	13	14	15	16
t (° c)	39.5	39.0	39.1	38.5	38.6	38.4	38.0	38.1	38.6
wbc	11.0			10.0			9.6		9.2
c/s	h/c <i>Streptococcus viridan</i>			u/c - s/c -					h/c <i>Streptococcus viridan</i>

3. Nephrotoxicity ○ yes. ⊗ no. D/C 30/08/95

<u>Blood</u>									
BUN	10			10			12		14
Cr	0.9			0.9			1.0		1.1
Troug				0.1					
Peak				13.2					
Na	132			135			138		140
K	3.8			3.6			3.5		3.8
Cl	100			98			98		101
Co	20			19			20		22
<u>Urine</u>									
Protein	--			--			--		--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- paracetamol 1 ampule iv. stat.

-- ranitidine (50) iv.push every 8 hr.

Gentamicin data record

Once daily treatment

Name 42a Male Age 42 yr. Weight 56 kg. Height 170 cm. Dx. Angina pectoris, anemia.

Gentamicin 200 mg. iv drip in 0.5 hr. ⊗ OD ⊙ q 8 hr. Dose 3.6 mg/kg.

To treated IE from α - streptococci sensitive gentamicin and PGS.

Combine with PGS 3 million units iv ever 4 hr.

Adjusted dose ⊙ yes. ⊗ no.

1. Efficacy ⊙ yes. ⊗ no. 2. Duration of treatment 3 days. (20/06/95 - 23/06/95)

dd/06/95	20	21	22	23
t (°c)	39.1	38.6	37.4	38.0
wbc	15.7			14.3
c/s	h/c α - streptococci			h/c α - streptococci

3. Nephrotoxicity ⊙ yes. ⊗ no. D/C 21/07/95

<u>Blood</u>				
BUN	15			17
Cr	0.8			0.9
Troug				0.1
Peak				13.6
Na	138			140
K	4.1			3.8
Cl	100			103
Co	19			20
<u>Urine</u>				
Protein	--			--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- paracetamol 1 ampule iv. stat.

-- isoket (10) 1 tablet tid pc.

Gentamicin data record

Once daily treatmentName 43a Male Age 51 yr. Weight 57 kg. Height 170 cm. Dx. Hypertension, MI.Gentamicin 180 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 3.2 mg/kg.To treated IE from α-streptococci sensitive gentamicin and PGS.Combine with PGS 2 million units iv ever 4 hr.Adjusted dose ⊗ yes. O no. 100 mg.1. Efficacy ⊗ yes. O no. 2. Duration of treatment 15 days. (18/09/95 - 02/10/95)

dd/09/95	18	19	20	21	22	23	24	25
t (°c)	39.0	39.1	38.4	39.0	38.7	38.1	37.9	37.5
wbc	17.1			14.5				5.5
c/s	h/c α-streptococci			u/c - h/c -				u/c - h/c -
<u>Blood</u>								
BUN	12			11				15
Cr	0.8			0.8				1.3
Troug				0.8				1.6
Peak				15.7				16.5
Na	136			137				140
K	3.8			3.6				3.3
Cl	96			97				98
Co	18			20				21
<u>Urine</u>								
Protein	--			--				+2

dd/09/95	26*	27	28	29	30	1/2	2
t (°c)	37.2	36.1	37.7	37.4	36.9	36.5	36.4
wbc				5.5			8.8
c/s				u/c - h/c -			u/c - h/c -
<u>Blood</u>							
BUN		13			12	11	9
Cr		1.0			1.0	1.0	0.9
Troug					1.0		
Peak					9.5		
Na					140		142
K					3.4		3.6
Cl					96		100
Co					20		20
<u>Urine</u>							
Protein		+2			--	--	--

3. Nephrotoxicity ⊗ yes. O no. D/C 4/10/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function . With parenteral administration , dilution appears to attenuate a physicochemical incompatibility. Gentamicin and furosemide may possibly synergistic auditory toxicity so monitoring of hearing shold be tested.

Other medication. -- furosemide (40) 1/2 tablet od.

- paracetamol (500) 2 tablets every 4-6 hr. for fever.
- paracetamol 1 ampule iv. stat.
- 10% kcl elixir 30 ml. stat.
- ranetidine (50) iv.push every 8 hr.
- enarapril (25) 1/2 tablet bid pc.
- lanoxin (0.25) 1/2 tablet od.

Gentamicin data record

Once daily treatmentName 44a Male Age 52 yr. Weight 47 kg. Height 170 cm. Dx. CVA, MI, Hypertension.Gentamicin 150 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 3.2 mg/kg.To treated IE from Pseudomonas spp. sensitive gentamicin and PGS.Combine with PGS 3 million units iv ever 4 hr.Adjusted dose ⊗ yes. O no. 100 mg.1. Efficacy ⊗ yes. O no. 2. Duration of treatment 17 days. (2/11/95 - 8/11/95)

dd/11/95	2	3	4	5	6	7	8	9	10
t (°c)	38.4	38.2	38.5	38.1	37.9	36.5	37.6	36.0	37.1
wbc	12.0				10.5				7.6
c/s	h/c <i>Pseudomonas</i> <i>spp.</i>		u/c - h/c -		u/c - h/c -				u/c - h/c -
<u>Blood</u>									
BUN	10		11		13				17
Cr	0.9		1.0		1.1				1.6
Troug			0.9						1.3
Peak			14.6						15.8
Na	141				140				136
K	4.1				3.6				3.2
Cl	95				97				96
Co	27				24				19
<u>Urine</u>									
Protein	--				--				+2

dd/11/95	11*	12	13	14	15	16	17	18
t (°c)	36.4	36.9	36.5	37.1	37.2	37.6	37.0	37.3
wbc				6.8			6.0	
c/s				u/c - h/c -			u/c - h/c -	
<u>Blood</u>								
BUN		17	15	13		12	12	
Cr		1.6	1.4	1.3		1.1	1.1	
Troug			1.2					
Peak			13.5					
Na			138			140	140	
K			3.4			3.6	3.8	
Cl			98			101	100	
Co			20			21	21	
<u>Urine</u>								
Protein		+2	+1	+1		--	--	

3. Nephrotoxicity ⊗ yes. O no. D/C 20/11/95

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- paracetamol 1 ampule iv. stat.

-- 10% kcl elixir 30 ml. stat.

-- ranitidine (50) iv. push every 8 hr.

-- lactulose 15 ml. tid. pc.

-- enalapril (25) 1/2 tablet bid pc.

Gentamicin data record

Once daily treatment

Name 45a Male Age 47 yr. Weight 51 kg. Height 165 cm. Dx. Alteration of concious, hemorrhage cerebella, suldural hygroma.

Gentamicin 160 mg. iv drip in 0.5 hr. ⊗ OD O q 8 hr. Dose 3.1 mg/kg.

To treated IE from β - streptococci non A, B, C sensitive gentamicin and PGS.

Combine with PGS 3 million units iv ever 4 hr.

Adjusted dose O yes. ⊗ no.

1. Efficacy ⊗ yes. O no. 2. Duration of treatment 10 days. (29/05/95 - 8/06/95)

dd/05/95	29	30	31	1/6	2	3	4	5	6	7	8
t (°c)	38.7	37.9	37.8	38.0	38.3	38.0	37.5	38.2	38.0	37.7	37.0
wbc	13.8		10.5			8.9		7.8		4.5	
c/s	h/c streptococci A, B, C	β - non	u/c - h/c -			u/c - h/c -				u/c - h/c -	

3. Nephrotoxicity O yes. ⊗ no. D/C 20/06/95

Blood										
BUN	17		19			18		16		22
Cr	1.2		1.3			1.2		1.1		1.2
Troug			0.1							
Peak			18.5							
Na	134		131			132		131		132
K	3.5		4.2			4.0		4.3		4.5
Cl	97		96			90		91		92
Co	27		28			25		23		21
Urine										
Protein	+1		+1			+1		--		--

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by penicillins appears to be related to decreased renal function. With parenteral administration, dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol 1 ampule iv. stat.

-- ranitidine (50) iv.push every 8 hr.

-- 3% kcl elixir 30 ml. feed qid pc. stat.

Gentamicin data record

Once daily treatment

Name 46a Male Age 30 yr. Weight 67 kg. Height 160 cm. Dx. Hypertension, weakness.

Gentamicin 240 mg. iv drip in 0.5 hr. OD q 8 hr. Dose 3.6 mg/kg.

To treated IE from α -streptococci sensitive gentamicin and cloxacillin.

Combine with cloxacillin 2 gm. iv ever 4 hr.

Adjusted dose yes. no.

1. Efficacy yes. no. 2. Duration of treatment 7 days. (22/1/95 - 28/1/95)

dd/01 /95	22	23	24	25	26	27	28
t (°c)	39.0	38.5	38.4	38.7	38.1	37.0	38.7
wbc	18.0			17.5			17.4
c/s	h/c α -streptococci			u/c -			h/c α -streptococci

3. Nephrotoxicity yes. no. D/C 15/12/95

<u>Blood</u>							
BUN	12			13			15
Cr	1.0			1.0			1.2
Troug				0.6			
Peak				11.9			
Na	140			138			139
K	3.8			3.4			3.5
Cl	101			102			102
Co	20			21			21
<u>Urine</u>							
Protein	--			--			-

4. other adverse drug reaction --

: monitoring gentamicin blood level and renal function closely because inactivation of aminoglycosides by cloxacillin appears to be related to decreased renal function. With parenteral administration , dilution appears to attenuate a physicochemical incompatibility.

Other medication. -- paracetamol (500) 2 tablets every 4-6 hr. for fever.

-- 10% kcl elixir 30 ml. stat.

-- ranetidine (50) iv.push every 8 hr.

-- enarapril (25) 1 tablet od.



Vita

Lt. Saisamorn Wongjongjaihan was born on March 16, 1968, at Somdej Prapinklao Hospital, Thailand. She is graduated with a Bachelor Degree in 1991 from the Faculty of Pharmaceutical Sciences, Chulalongkorn University, Bangkok, Thailand. Her current position is a pharmacist in Royal Thai Navy Hospital.