

# **RENAL TRANSPLANTS AT MTRH.**

BY DR M.O.G.OWITI,  
M.MED(UON).

# J.A 48 YRS MALE

- ◆ Diabetic since July 1997, on insulin
- ◆ Crf & high Bp-2004.urea=57.3, crt=1040.
- ◆ Lt kid-7.27x3.62, rt kid8.51x3.34cm, loss of cmd
- ◆ Haemodialysis x2 wkly till last two wksx3.
- ◆ While on treatment Bp=150/100, pulse78/min. on Adalat 20mg b.d, lasix 80mg od, captopril 25mg b.d, ca-sandoz i.o.d, recormon 2000i.u x2wkly, venofer 100 wkly, ranitidine 150 mgo.d.

# investigations

	recipient	donor
◆		
◆ HbsAg	neg	neg
◆ Hc sAg	neg	neg
◆ H.I.V	neg	neg
◆ CMV	neg	neg
◆ Blood grp	A +	A+
◆ ECHO; mod concentric LVH, EF=48%		normal

# INVESTIGATIONS CONT

	recipient		donor	
◆ HLA class 1A	2	<u>30</u>	1	<u>30</u>
◆ 1B	17	42	35	
◆ DR	03	13	08	11
◆ DQ	0402	0202	0305	0101
◆ T-cell cross matching-	NEGATIVE			

# N.C 17YRS FEMALE

- ◆ Facial puff, head ache, oliguria, epigastric and bil loin Painsx3/52. 03.08.2004. Post herbal use.
- ◆ Abortion –pph, 07.06.04, post abortal psychosis.
- ◆ Bp220/110mmhg, hb=7.6g/dl,
- ◆ Op=600mls, ip=1.5l.

# RX

- ◆ Adalat 40mg b.d, captopril 25mg b.d, lasix 80mg b.d, zantac 50mg tds, ca-sandoz 1 o.d
- ◆ H/dialysis, A-V fistula.
- ◆ Recormon 2000 i.u wkly, on & off. Venofer on & off.  
Transfused once---hb 7.9

# investigation

- ◆ U/s-rt kidn=6.55, lt kid=6.10-shrunken and dense.
- ◆ Urea36.9-----36.4, crt 1696----1908
- ◆ Urine; granular cast,few rbc's,protein++
- ◆ After HD prior to sx -urea=14.2, crt340, ca=9.0mg/dl, po4=3.5mg/dl, lft-N, hb= 9.3g/dl
- ◆ ECHO-LVH,conc diast dysfxn.EF=81%.
- ◆ Cmv-igM-VE, igG +VE for both.

# invx

	recipient	donor
◆ HLA1A	2 31	1
◆ 1B	51 62	58 55
◆ Cw	1 3	3 6
◆ DR	03 <u>15</u>	14 <u>15</u>
◆ DQ	0201 <u>0602</u>	0501 <u>0602</u>
◆ T-cell crossmatch	NEGATIVE	



# PERI & POST OP

- ◆ Basiliximab 20mg inf pre op, then repeat on 4<sup>th</sup> pod
- ◆ Zinacef intra op, cellcept 1.5g bd, cyclosporin 200mg bd, solumedrol .500mg stat, then taper off to 15mg in 1/12, ct for 1/12, then 10mg--
- ◆ Zantac 150mg bd, Bactrim 1 od, Asa 75mg od, acyclovir 400mg bdx 3/12, Fluconazole 100mg od
- ◆ Anti HT.
- ◆ Non underwent H/D post op, the kidneys in both functioned immediately.

# outcome

- ◆ For J.A, initially sugars poor control and occasional reduced urine op, but after adjusting doses of cyclo and maximise diet settled.
- ◆ Serum cyclo levels=191trough->800 peak(100-300ng/ml)
- ◆ Reduced to125mg bd
- ◆ Latest u/s report normal kidney parenchyma.
- ◆ Urea9.2mmol/l,crt 110.5,urinalysis-N-28/07/06.

# Outcome cont

- ◆ For N.C, urea=6.7mmol/l, crt=92micmol/l
- ◆ Rbs=4.8mmol/l, urinalysis –N.
- ◆ Initially there was a cystic area in transplant kidney but regressed to –N on follow up.

CT



◆ THANK  
YOU

