Current Status & Future of Dialysis, Vascular Access & Interventional

Nephrology in South & South East Asia

Country:	
Representative:	

Burden of ESRD

National population (in millions)		
Incident & prevalent ESRD population	Incidence / million	Prevalence/ million
(Per Million)		
%age of GDP as Total national health		
expenditure		
Estimated Per Capita National Income		
(in USD)		
Top 3 Etiologies of CKD	Number 1 Etiology	
(for e.g. DM,HT or Unknown)	Number 2 Etiology	
	Number 3 Etiology	
Average age of ESRD patient (in years)	Male	female
(at start of dialysis)		
Dialysis Drop Out Rate & cause distribution	Rate in %	Death
at 6 months		Transplant
(Tick applicable reason from the right Column)		Financial Reasons
Dialysis Drop Out rate & cause distribution	Rate in %	Death
at 12 months		Transplant
(Tick applicable reason from the right Column)		Financial Reasons
% distribution of Patients among	HD	()
HD/PD/Transplant/ Conservative	PD	()

	Transplant	()
	conservative	()
% distribution of HD frequency per week of	More than 2 per	()
Patients (total must be 100%)	week	()
	Less than 2 per week	()
	2 per week	
Total no. of nephrologists in the country		
(Number)		
Number of dialysis centers in the country		
(Number)		
Average number of Dialysis machines per	Less than 10	()
HD unit (the commonest one)	10-20	()
	20-40	()
	More than 40	()
% distribution of Funding for dialysis	Govt	()
(Govt,* insurance or * OPP)	PPP	()
	OPP	()
Are most of dialysis units supervised by	Yes	N0
Nephrologists directly? (Yes / No)		
Monthly cost of Hemodialysis & CAPD (in		
USD \$)		

- PPP-PUBLIC PRIVATE PARTNERSHIP (means Government pays to private party to deliver dialysis)
- * OPP-OUT OF POCKET PAYMENT (means patient pays from his pocket)

Status Of Vascular Access

% of Patients undergoing	Planned initiation	Unplanned initiation
"Planned initiation" of HD vs.		
"Unplanned initiation "		
% of Incident Hemodialysis	AVF	()
patients using AVF /AVG/ *	AVG	()
TCC/ * NON TCC	TCC	()
	nTCC	()
% of Prevalent Hemodialysis	AVF	()
Patients using AVF /AVG/ *	AVG	()
TCC / * NON TCC	TCC	()
	nTCC	()
Average cost of AVF/AVG /*	AVF	()
TCC & * NTCC procedure	AVG	()
(in USD \$)	TCC	()
	mTCC	()
AV Fistula Surgery done by:	Nephrologist	Surgeons
Nephrologist / Surgeons (%)		
AV Graft Surgery done by:	Nephrologist	Surgeons
Nephrologist / Surgeons (%)		

^{*}Tunneled Central Catheter (TCC) * Non Tunneled Catheter (NTCC) or Acute Catheter

Cost Issues

Fear of Medico Legal Issues

Interventional Nephrology (IN)

Who does the following Interventional Nephrology Procedures in your country.

Non Tunneled Catheter	(Nephrologist)	(Others)	(both)
Tunneled Central Catheter (TCC)	(Nephrologist)	(Others)	(both)
Kidney Biopsy	(Nephrologist)	(Others)	(both)
AV Fistula	(Nephrologist)	(Others)	(both)
AV Graft	(Nephrologist)	(Others)	(both)
AVF Salvage Interventions (Peripheral &	(Nephrologist)	(Others)	(both)
Central Angioplasty)			
PD Catheter Placement	(Nephrologist)	(Others)	(both)
What percent of nephrologists perform any IN	procedure?		
The common challenges to practice of Interver Time Constraint	ntional Nephrology? (Can check more th	an one box if appro
Lack of Backup Support			
No Formal Training			

Page 4 of 8

Lack of Incentive		
Specialised for a Non Interventional		
_		
Nephrology Practice		
Not Applicable to our Institution / Pr	actice	
Oo most of the Institutes run formal to	aining programs for follo	owing procedures in your
ountry? (Check the box you feel appropriate)		
TZ-1 D-		
Kidney Biopsy		
Tunnelled Catheter Placement		
Non Tunnelled Catheter Placement		
AV Fistula Surgery		
AV Graft Surgery		
AV Fistula / Graft salvage procedure	S	
PD Catheter Placement		
Are Nephrology setups in your countr	y equipped / use / or have	access to equipment like?
Ultrasound Machine	yes	No
Citi asound Machine	you	110
Fluoroscopy / C- Arm / Cath	yes	No
lab		
Ooes some nephrologists do cath-lab p	rocedures in your countr	y?
T		
Like Central or Peripheral	yes	No

Venous Angioplasty +/Stenting

Renal Artery Angiography /	yes	No
Angioplasty / Stenting		

Vascular Access Surveillance (VAS)

(check the box you feel appropriate)				
% Of Primary	AVF Failure	TCC Failure		
Failure rates of AVF				
and TCC (at				
3months)				
Vascular Access	Yes	No	Not Sure	
Surveillance (VAS)				
Routinely Practiced				
In Dialysis Units				
Who is trained as	Technicians	Nurses	Doctors	
Manpower For VAS				
(Technicians/ Nurses/				
Doctors)				
What Is The Preferred VAS Method:				
Serial Clinical	Yes	No	Not Sure	
Examination Of AV				
Access				
KT/V Or URR	Yes	No	Not Sure	
Measurements				
Routine Ultrasound	Yes	No	Not Sure	
Of AV Access				

Any Other		
Technique (name)		

Future Predictions / Directions

Expected Growth Of ESKD	No growth	< 10 %	10 ~	≥ 20 %
Population in next 5 years			20%	
(%)				
Expected Growth Of	No growth	< 10 %	10 ~	> 20 %
Hemodialysis units in next 5			20%	
years (%)				
Expected Growth Of CAPD	No growth	< 10 %	10 ~	> 20 %
in next 5 years (%)			20%	
Expected Quantitative	No growth	< 10 %	10 ~	> 20 %
Growth Of interventional			20%	
Nephrology in next 5				
years(%)				
Expected Growth Of ESKD	No growth	< 10 %	10 ~	> 20 %
Population in next 5 years			20%	
(%)				

Any Government Incentives/ Sponsored Programs/ Private Initiatives			

References Used:

Challenges to Practice of HD/PD in your Country				
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Expectations from & Contributions to South East Asia				