

Country Report – Iran

- **Membership of your respective national society.**

Iranian Society of Pediatric Nephrology (IranSPN) is an independent scientific NGO has founded in 2007 and has 126 active members (Just pediatric) around Iran (website: iranspn.com). Journal of pediatric nephrology (J Ped Nephrol; website: <http://journals.sbmu.ac.ir/jpn>) is the official journal of IranSPN since 2013.

- **Programs of your national society during the year**

We have six to eight scientific meetings per year including workshops and seminars, national congress (pediatric nephrology, dialysis and transplantation). Moreover, we have 5-6 joint meetings with ISN (Iranian society of nephrology) per year.

1. Bimonthly seminars (UTI, VUR, Enuresis, HUS, HTN, CKD-MBD, etc)
2. Workshop (CRRT, Sonography, Crisis, PD, HD, Nutrition, UDS, renal biopsy, pathology)
3. Joint seminars and congress with Iranian Society of Nephrology
4. Annual congress (Pediatric Nephrology or Dialysis and Transplantation)
5. Patient days (cystinosis, HUS, ..)
6. Joint meeting (Genetic, endocrine, urologist, Oncologist, Radiologist, pathologist, ...)

- **Programs for year 2019-2020**

Monthly scientific program:

- Enuresis –March 2019
- SDNS- August 2019
- Hypertension- October 2019
- Gut microbiom- December 2019 in
- Fluid and electrolyte workshop- February-2019 in Bushehr
- Vascular access- April 2020
- Urine biomarkers in AKI- May- 2020
- Renopulmonar vasculitis- update- July 2020
- Point of care sonography- September2020

Patient day

September – Tehran -2019

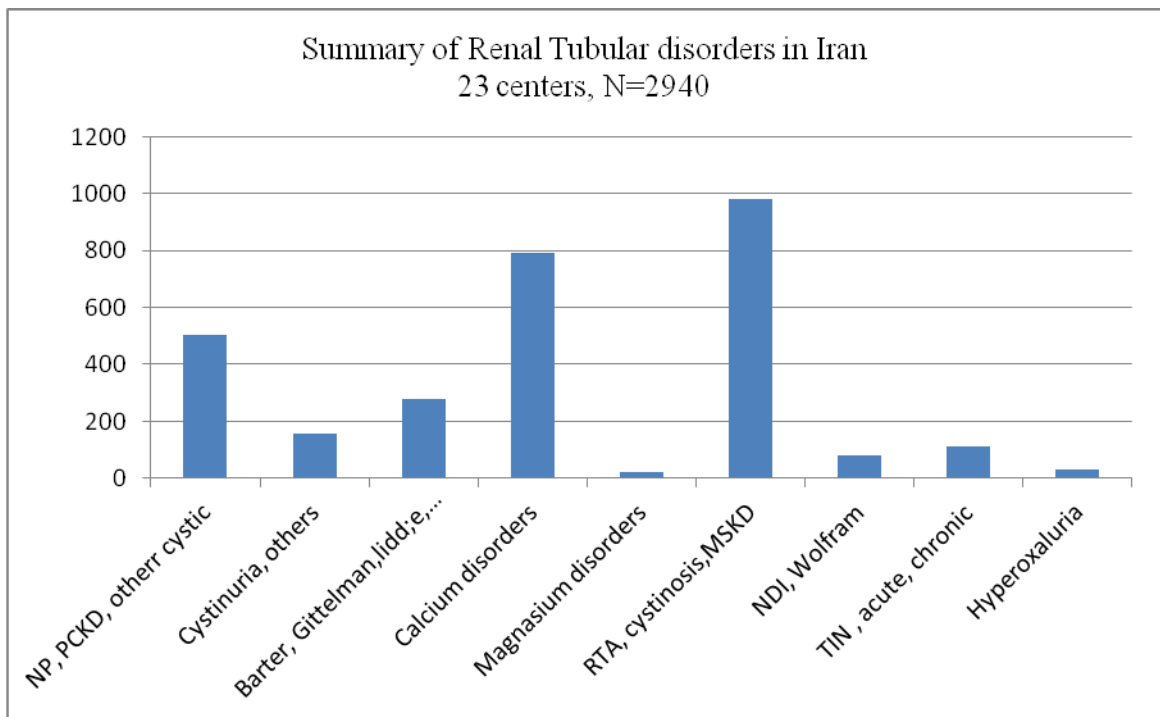
WKD

March 2020

Congress:

- 17th International Congress of Nephrology, Dialysis, and Transplantation, 19-22 November 2019 Tabriz, Iran, (Joint congress with Iranian Society of Pediatric Nephrology)
 - Collaboration with Neonatology Association – November 2019
 - 7th Congress of Pediatric Nephrology -2020 – Tehran
- **Summary of available registry data, ESRD programs, any other important national program**

1- Tubular disorders



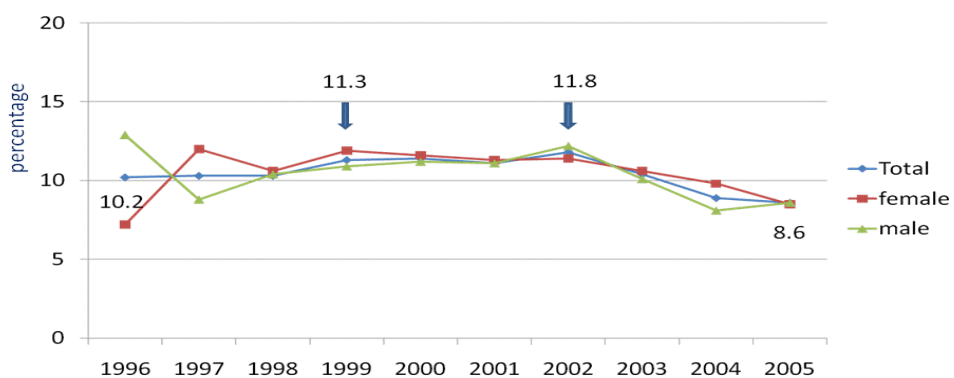
[Hooman N, D et al. J Ped. Nephrology 2017;5\(3\)](#)

2- ESRD

24 pediatric nephrology centers have already registered in IPNA registry for global RRT and data of 594 cases are entered. But this information is not complete.

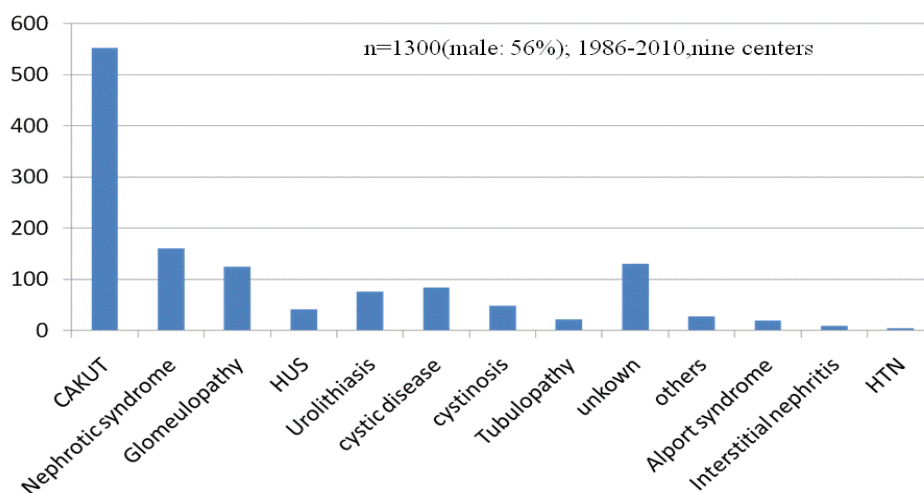
Data of current active patients below 18 years old are 203 CAPD (15 APD), 336 HD, and transplanted children under care of PN in Iran.

Trends of ESRD in Patients younger than 25 years in Iran



Aghighi M, et al. Iran J Kidney Dis. 2009.; 3; 192-6

Etiology of CKD in Iranian Children



Graft survival

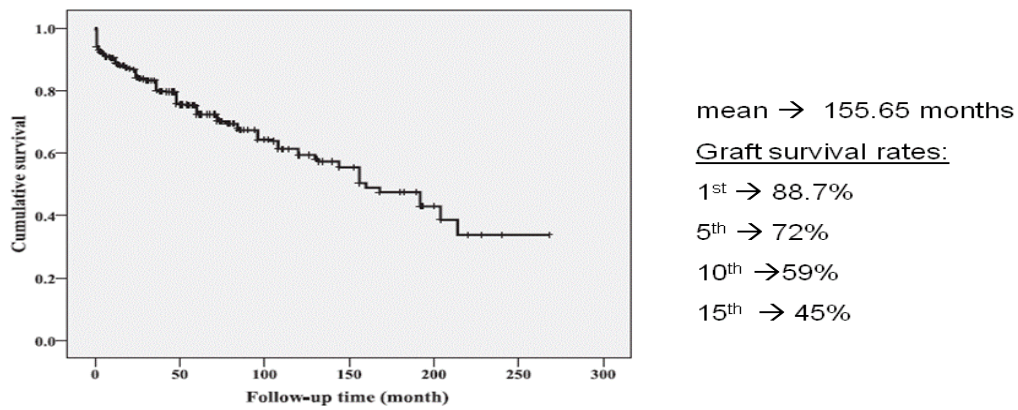
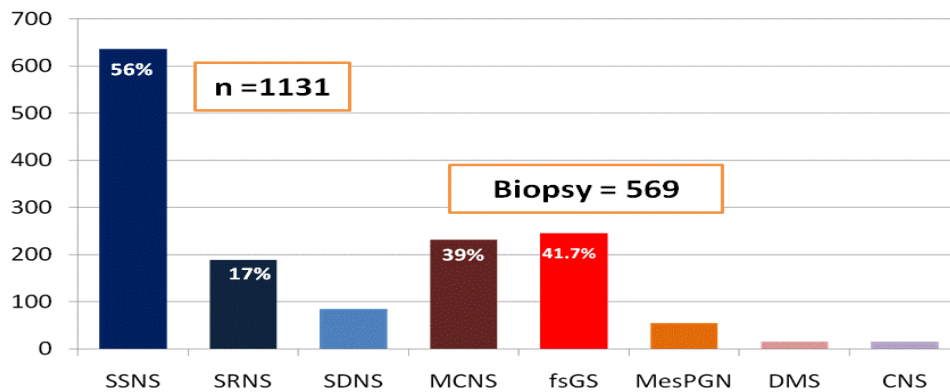


Fig. 1. Graft survival plot of Iranian transplanted children between 1985 and 2009.

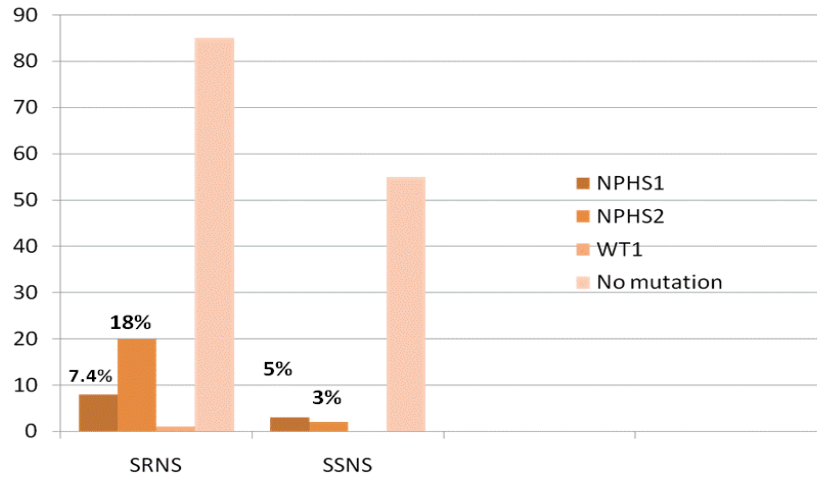
Otukesh H, et al. *Pediatr Transplantation* 2011;15:533-538

3- Nephrotic syndrome

Report from Iran- 1972-2011 from 8 centers

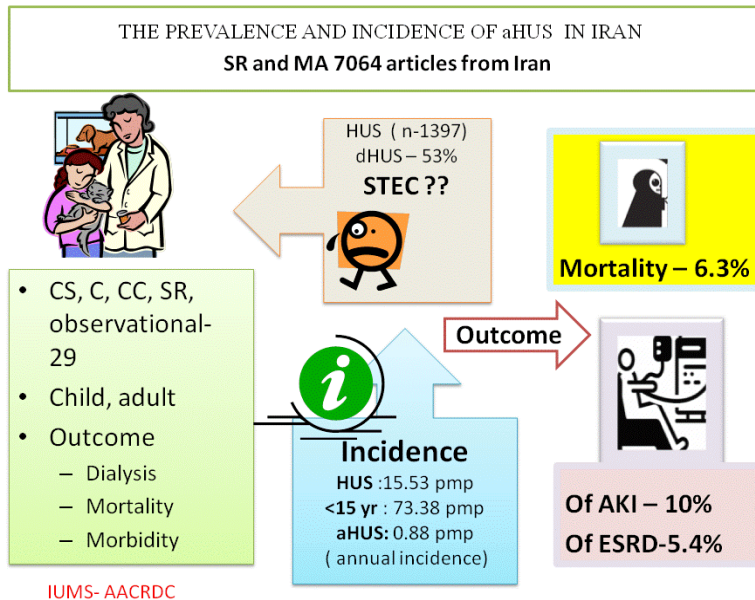


Genetic study in Iran – three centers



Behnam B, et al. J Ped. Nephrology 2016;4(2):51-55
 Shojaei A, et al. Iran J Kidney Dis. 2019 May;13(3):165-172

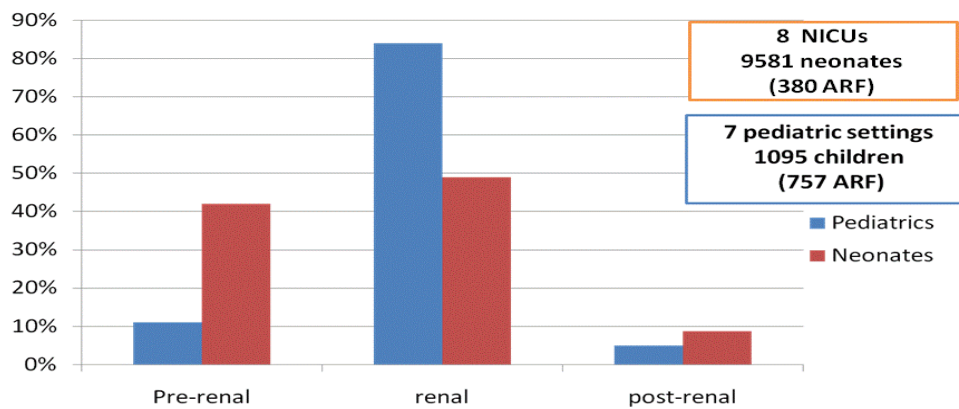
4- HUS



Hooman et al .Under review of Iranian Journal of Kidney disease

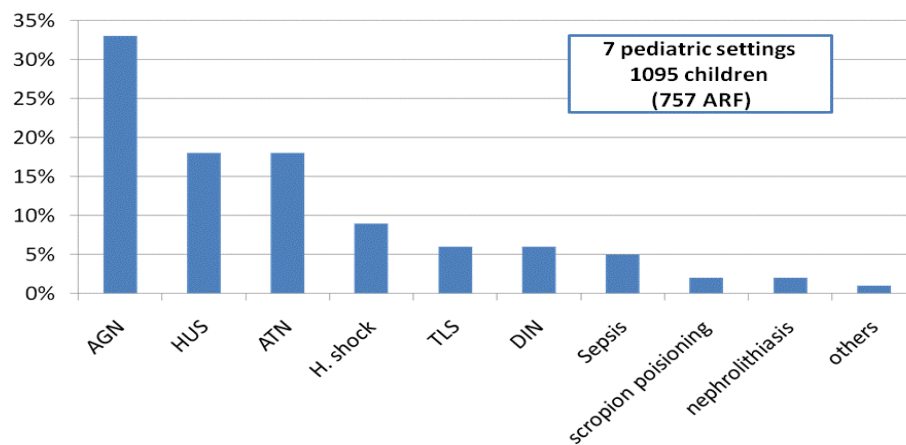
5- AKI

ARF classification-



Hooman N. J Ped Nephrology. 2014;2(3);98-103

The etiology of AKI – Iran



Hooman N. J Ped Nephrology. 2014;2(3);98-103

- **Summary of subspecialty / fellowship programs in pediatric nephrology.**

There are five centers for training subspecialty of pediatric nephrology in Iran (about one fellowship in each center) including Tehran (Ali-asghar Children's Hospital, Children Hospital Medical Center, Mofid Children's Hospital), Shiraz (Namazi Hospital), Mashhad (Sheikh Hospital) , Kermanshah(Imam Reza Hospital). The pre-requested for candidates are to have board certificate of Pediatrics', experience of working for duties in deprived regions (2- 5 years), passing the entrance exam (MCQ tests) and OSCE. The duration of course is at least two years and the trainee should gain the ability of handling simple and complicated patients with kidney disease, CKD, ESRD and transplant since birth to adolescence, and skills (renal biopsy, bedside PD catheter insertion, .). The trainee should pass the final exam and OSCE to earn board certificate in order to be graduated.

- **Any IPNA training programs conducted in your region.**

We had already two IPNA teaching course,

- Neonatal Nephrology, 2015
- Inherited Kidney disease in children- 2018

- **Any other relevant matters you would like to be highlighted**

Except of our first two pioneers, the all other members were trained only in Iran.

The available facilities: renal biopsy (LM, IF, EM), acute/chronic PD (CAPD and APD), HD, Plasmapheresis, CRRT (two centers), renal transplant (Living and Cadaver). Imaging (Ultrasound, cystogram, DMSA, DRNC, DTPA, MRU, MRI, PET scan).

We pride that pediatric nephrology and facilities are available in all parts of Iran despite of distance or poverty

With those facilities and the diversity of kidney patients in Iran, we offer to contribute as a sister center to train those who are interested in to be trained from other countries