

2 महीने में हुआ Chronic Kidney Disease में सुधार

इसके बाद पेशेंट HIIMS Chandigarh में आया और यहाँ आकर डॉक्टर्स से मिला। उसने डॉक्टर्स को सारी रिपोर्ट्स भी दिखाई। डॉक्टर्स ने पेशेंट की रिपोर्ट को देख कर कहा की हम GRAD System की मदद से GFR Level और Bilateral Function को सुधार सकते हैं। पेशेंट खुश हुआ और फिर उसने अपना इलाज़ शुरू करवाया।

Sample Patient-4 Before GRAD

Dated : 4 June 2021

AERB Reg. No. 16-NMLICENSE-110822



INDIAN INSTITUTE OF NUCLEAR MEDICINE & SCANNING

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Dr. AWADHESH PANDEY
Sr. Consultant & Head
Ex. FACULTY N.I.M.S. HYDERABAD

NAME: ~~XXXXXXXXXXXXXXXXXXXX~~ AGE: 65 Y SEX: M DATE: 04/06/2021
REG.NO. REN-279-21
ATTENDING SR. DOCTOR: ACHARYA MANISH
CLINICAL STATUS: TO KNOW FUNCTIONAL STATUS, GFR AND DRAINAGE PATTERN

DYNAMIC RENAL SCINTIGRAPHY

ISOTOPE: ^{99m}Tc -DTPA DOSE 5 m Ci

	LEFT KIDNEY	RIGHT KIDNEY
<u>PERFUSION PHASE</u>		
VISUALISATION	poor	poor
RELATIVE PERFUSION	poor	poor
<u>UPTAKE PHASE</u>		
SIZE	shrunk	shrunk
SHAPE	normal	normal
POSITION	normal	normal
CONCENTRATION	poor	poor
CORTICAL MARGIN DELINEATION	poorly -defined	poorly-defined
<u>SPLIT FUNCTION</u>	45 %	55 %
<u>EXCRETORY PHASE</u>		
COLLECTING SYSTEM	normal	normal
DRAINAGE PATTERN	normal	normal
DIURETIC RESPONSE	normal	normal
URETER	normal	normal
<u>GFR</u>	6.5 ml/min	7.3 ml/min

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Sample Patient-4 After GRAD

Date: 27 August 2021

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NAME : **SHRADDHA SHARMA** AGE : 65 Y SEX : M DATE : 27/08/2021
REG.NO. : REN-444-21
ATTENDING SR. PHYSICIAN: MANISH ACHARYA
CLINICAL STATUS: CKD, to know functional status, drainage pattern and
AND differential function WITH GFR

DYNAMIC RENAL SCINTIGRAPHY

	ISOTOPE: 99mTc- DTPA	DOSE: 5 mCi
	LEFT KIDNEY	RIGHT KIDNEY
PERFUSION PHASE		
VISUALISATION	poor	poor
RELATIVE PERFUSION	poor	poor
UPTAKE PHASE		
SIZE	shrunk	shrunk
SHAPE	normal	normal
POSITION	normal	normal
CONCENTRATION	poor	poor
CORTICALMARGIN DELINEATION	poorly-defined	poorly defined
SPLIT FUNCTION	42 %	58 %
EXCRETORY PHASE		
COLLECTING SYSTEM	normal	normal
DRAINAGE PATTERN	normal	normal
DIURETIC RESPONSE	normal	normal
URETER	normal	normal
GFR	8.0 ml/min	10.8 ml/min

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HIIMS में पेशेंट को इलाज़ के दौरान HWE (Hot Water Emersion), HDT (Head Down Tilt), Lower Leg Emersion के साथ कई अन्य थेरेपी भी दी गयी। इसके साथ साथ पेशेंट को पंचकर्म थेरेपी, एक स्वस्थ आहार (DIP Diet), योग और मैडिटेशन सेशन भी दिये गए। ये प्रक्रिया कुछ महीने चली।

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BLADDER: -NORMAL RESIDUAL VOLUME
-THERE IS NO DIFFERENCE IN TRACER CONCENTRATION BETWEEN
-PRE AND POST VOID FILMS SIGNIFYING NO INDIRECT EVIDENCE OF
i) VESICO-URETERIC REFLUX ON EITHER SIDE OR
ii) GRAVITY DEPENDENT DRAINAGE

IMPRESSION: PROVOCATIVE IMAGING WITH DIURETIC ADMINISTERED
15 MINUTES BEFORE THE STUDY STARTED TO PRECIPITATE
EQUIVOCAL OBSTRUCTION, IF ANY REVEALS:-

LEFT KIDNEY i) SHRUNK IN SIZE
ii) SEVERELY COMPROMISED CORTICAL FUNCTION
iii) NORMAL DRAINAGE
1) improving on frusemide provocation
ii) improving as a function of time

RIGHT KIDNEY i) SHRUNK IN SIZE
ii) SEVERELY COMPROMISED CORTICAL FUNCTION
iii) NORMAL DRAINAGE
1) improving on frusemide provocation
ii) improving as a function of time

GLOBAL GFR = 13.8 ml/min/ 2.06 sq m BSA
(normal range for BSA = 73 ml/min + - 17ml/min)

SPLIT FUNCTION: LEFT KIDNEY = 45%
RIGHT KIDNEY = 55 %

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END OF REPORT

Sample Patient-4 After GRAD

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IMPRESSION: PROVOCATIVE IMAGING WITH DIURETIC ADMINISTERED
15 MINUTES BEFORE THE STUDY, TO PRECIPITATE
EQUIVOCAL OBSTRUCTION, IF ANY, REVEALS: -

LEFT KIDNEY i) SHRUNK IN SIZE
ii) SEVERELY COMPROMISED CORTICAL FUNCTION
iii) NORMAL DRAINAGE SEEN
a) improving on frusemide provocation
b) improving as a function of time

RIGHT KIDNEY i) SHRUNK IN SIZE
ii) SEVERELY COMPROMISED CORTICAL FUNCTION
iii) NORMAL DRAINAGE SEEN
a) improving on frusemide provocation
b) improving as a function of time

- GLOBAL GFR = 18.8 ml/min/2.03 sq m BSA
(normal range for BSA and age = 73 ml/min + - 17ml/min)

- SPLIT FUNCTION: LEFT KIDNEY = 42%
RIGHT KIDNEY = 58%

N.B: AS COMPARED TO THE PREVIOUS SCAN DATED: 04 JUNE 2021, THERE IS
IMPROVEMENT IN BILATERAL RENAL FUNCTION AND GFR

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दो महीने बाद पेशेंट ने अपना फिर से टेस्ट करवाया। टेस्ट करवाने के बाद जो रिपोर्ट में आया वो बहुत ही अचंभित करने वाला था। सिर्फ दो महीने में पेशेंट का GFR Level बढ़ गया था और उसके Bilateral Function में भी सुधार हुआ था।

रिपोर्ट के अनुसार अब बाईं किडनी का GFR Level 8 हो चुका था और दाईं किडनी का GFR Level 10.8 हो गया था। कुल मिलाके दोनों किडनी का GFR Level 18.8 था। इस केस स्टडी के साथ साथ पेशेंट की रिपोर्ट भी दी गयी है जिन्हें देख कर आप खुद जान सकते हैं की कैसे उनकी किडनी की बीमारी (CKD) में सुधार हुआ।