# **Nephrology\_Team3\_Report.docx**

## **Research Documentation**

### **Sources Used**

Team 3(Nephrology) sourced data from the following databases and websites:

**Mayo clinic**- <https://www.mayoclinic.org/diseases-conditions/kidney-failure/symptoms-causes/syc-20369048>

National kidney foundation - [National Kidney Foundation](https://www.kidney.org/)

**Cleveland clinic** - [Glomerulonephritis: Causes, Symptoms, Diagnosis & Treatment](https://my.clevelandclinic.org/health/diseases/16167-glomerulonephritis-gn)

<https://my.clevelandclinic.org/health/diseases/16459-renal-hypertension>

**National library of medicine (NLM**)

**Ncbi**-[Glomerulonephritis - StatPearls - NCBI Bookshelf](https://www.ncbi.nlm.nih.gov/books/NBK560644/)

[Renovascular Hypertension - StatPearls - NCBI Bookshelf](https://www.ncbi.nlm.nih.gov/books/NBK551587/)

[Chronic Kidney Disease - StatPearls - NCBI Bookshelf](https://www.ncbi.nlm.nih.gov/books/NBK535404/)

[End-Stage Renal Disease - StatPearls - NCBI Bookshelf](https://www.ncbi.nlm.nih.gov/books/NBK499861/)

**Medscape** -<https://emedicine.medscape.com/article/243492-overview#a7>

**Acute kidney** - <https://www.kidney.org/kidney-topics/acute-kidney-injury-aki>

https://medlineplus.gov/ency/article/000204.htm

* **PubMed** – <https://pubmed.ncbi.nlm.nih.gov/>
* **World Health Organization (WHO)** – <https://www.who.int/>
* **American Society of Nephrology** – <https://www.asn-online.org/>
* **National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)** – <https://www.niddk.nih.gov/>

### **Methodology**

* **Keywords Used:** “chronic kidney disease diagnosis”, “hypertension management guidelines”, “nephrotic syndrome treatment”, “renal failure stages", “urinary tract infection cause”
* **Filters Applied:**
  + Publication date: 2018–2024
  + Language: English
  + Study types: Meta-analyses, Clinical trials, Guidelines
* **Tools:** PubMed advanced search, PDF data extraction, Google Scholar, API-based data collection from NIDDK.

### **Challenges Faced**

* **Limited data** on rare genetic kidney diseases (e.g., Alport syndrome).
* **Outdated statistics** in some WHO reports (latest available data from 2019).
* Some **guidelines are region-specific**, mostly U.S.-focused, requiring comparison with WHO global data.
* **Inconsistent terminology** across sources (e.g., “end-stage kidney disease” vs. “renal failure”).

### **Date Accessed**

All resources were accessed between **May 10–17, 2025**.

### **Description of Contents**

* **Textual Data:**
  + Disease definitions, causes, symptoms, diagnostic criteria, staging systems, treatment options, and patient outcomes.
  + Includes ~14 nephrology-specific conditions.
* **Image/Diagram Data:**
  + Kidney anatomy charts, CKD progression graphs, and blood pressure control visuals.
* **File Types and Sizes:**
  + Text files: DOCX, PDF (~2.7 MB, 2.8MB)

## **Disease List & Team Member Assignments**

| **Specialty** | **Diseases/Conditions** | **Team Member Assigned** |
| --- | --- | --- |
| Nephrology | Chronic Kidney Disease (CKD), acute kidney infection, End stage renal disease, kidney stone, nephrotic syndrome, kidney cancer, Urinary tract infection, Endocrine related hypertension.LUPUS NEPhritis, IGA nephropathy, Minimal change disease, Amyloidosis, Hemolytic uremic syndrome, Henoch schonlein purpura, Primary hyperoxaluria, Pyelonephritis, Medullary cystic kidney disease, Nephrogenic systemic fibrosis, Malarial nephropathy, Abderhalden kaufmann lignac syndrome, Alport syndrome,Interstitial nephritis, Nodular Glomerulosclerosis | Leslie El |
| Nephrology | Electrolyte disorder, renal artery stenosis, hypertensive nephrosclerosis | Jennifer Imogie |
| Nephrology | Glomerulonephritis, polycystic kidney disease, renovascular hypertension | Barakat Oyiza Abubakar |

## **Submission Details**

* **Deadline:** May 19**, 2025**