Enhancing Student Nurse Education Through An Integrated Multidisciplinary Approach In Nephrology Care With A Link To Interprofessional Learning

GIG CYMRU NHS WALES | Bwrdd Iechyd Prifysgol Bae Abertawe | Swansea Bay University Health Board

Abstract

The Nephrology Department based within Morriston Hospital is a Service which consists of a Renal Ward **(Cardigan Ward),** the **Liz Baker and Renal West Dialysis Units, Vascular Access Nurse Team, Continuous Ambulatory Peritoneal Dialysis Team (CAPD), Self -Care Team, Anaemia Team and a Day Ward/Outpatient Department**.

The aim of the Nephrology Department is to maximise quality of life whilst preserving individuality and independence**.** The multi-disciplinary team includes a Renal Social Worker, Dietician, Renal Pharmacist, Renal Physiotherapist, Occupational Therapist and medical clinicians. All members of the MDT are involved at some stage in the patient's journey.

The Nephrology Department accommodate a maximum of twenty students on a rotational basis. The department accommodates student nurses from any field or any part of the programme.

Examples Of Annexe B Nursing Skills That Can Be Achieved

Clinicians

- Set up and manage routine electrocardiogram (ECG) investigations and interpret normal and commonly encountered abnormal traces
- Undertake venepuncture and cannulation and blood sampling interpreting normal and common abnormal blood profiles and venous blood gases

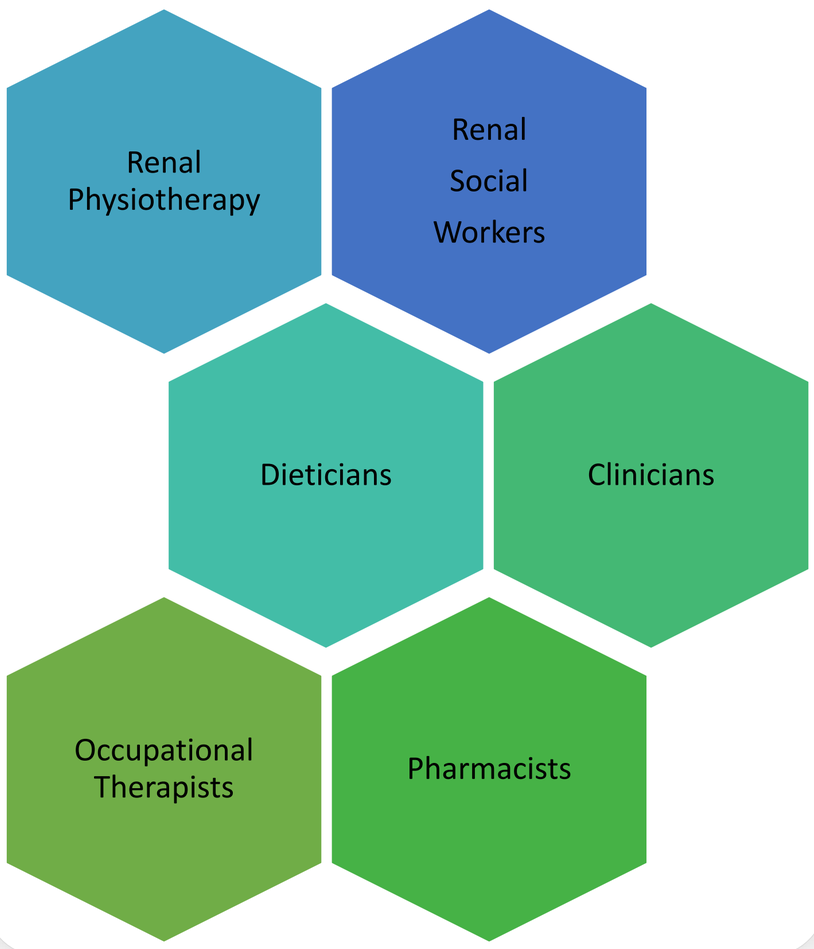
Pharmacy

- Manage the administration of IV fluids
- Manage inhalation, humidifier and nebuliser device

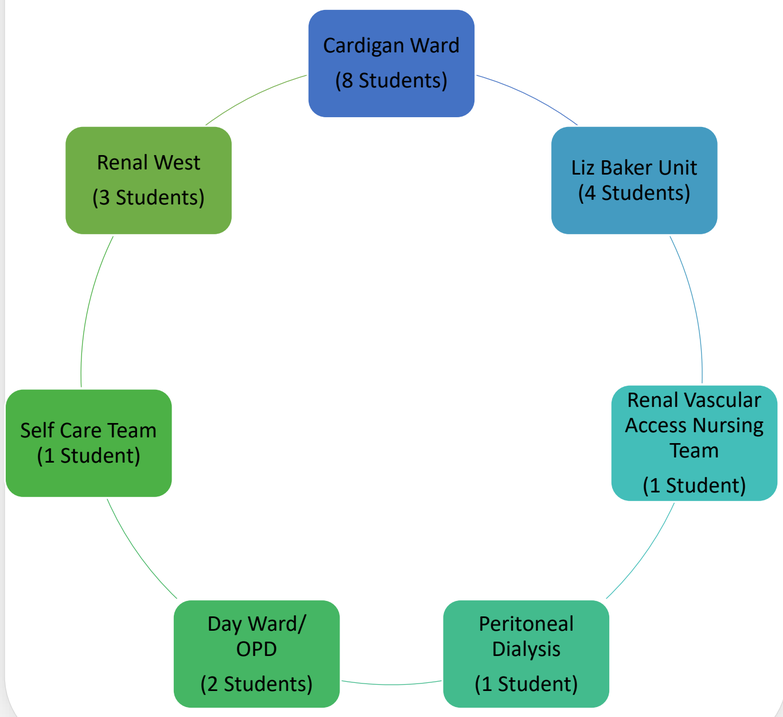
Dieticians

- Manage artificial nutrition and hydration using oral, enteral and parenteral routes
- Manage fluid and nutritional infusion pumps and devices

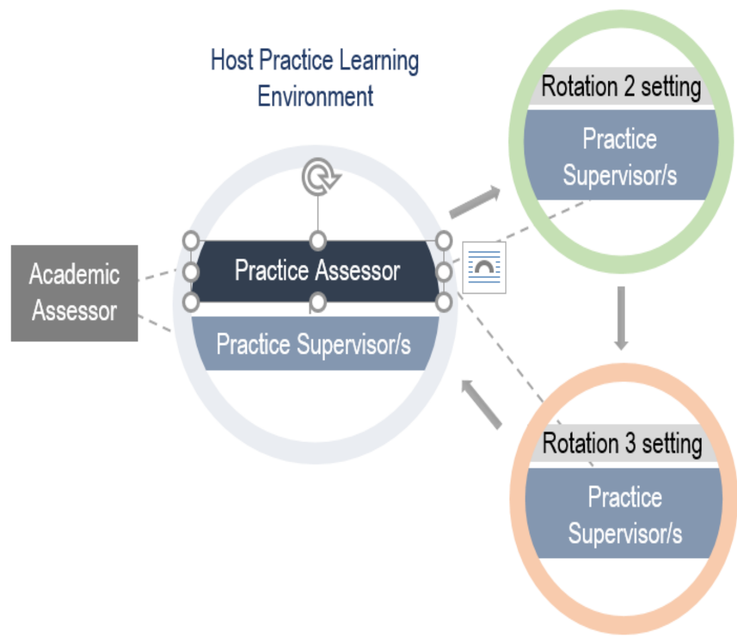
Interprofessional Learning



Renal Services Rotational Placements

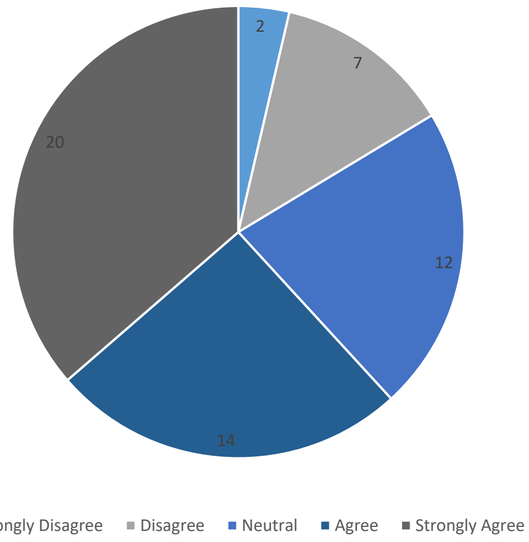


Rotational Model Of Supervision And Assessment

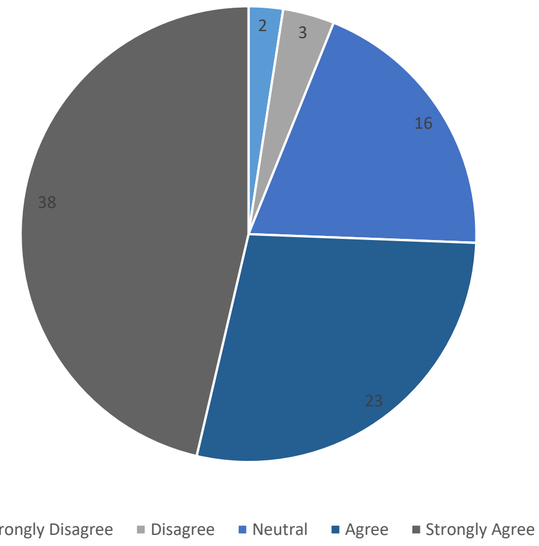


Student Placement Evaluations

Pre Rotational Placement Feedback For Learning Opportunities & Experience (2022 - 2023)



Post Rotational Placement Feedback For Learning Opportunities & Experience (2023 - 2024)



Benefits Of A Rotational Placement

- Potential ability to achieve approximately 24 proficiencies & 15 additional nursing procedures inventory within a six to seven week rotation
- Recognise the importance of the MDT and collaborative working
- Ability to further extend learning (spoke within a spoke)
- Gain knowledge of wider medical interventions
- Increased placement capacity and enhance the student's learning experience
- Appreciate the fundamental needs of the Nephrology patient and their families/carers
- Student peer to peer learning across professions

Where Next…

Building on our successful initial feedback we are excited to continue implementing rotational placements throughout Swansea Bay University Health Board. Evaluation processes and clinical education audits ensured effective, student-focused learning thus fostering interprofessional relationships among HEIW commissioned students. Interprofessional learning will help improve student learning and patient care outcomes.