

NATIONAL HAEMATOLOGY SENIOR RESIDENCY PROGRAMME



Our mission is to train outstanding haematology graduates and to inspire and mentor them to become leaders in patient care, education and biomedical research. Our Haematology Senior Residency Programme is a 42-month programme with the first 24 months designed to fulfill the requirements of the ACGME-I and the last 18 months designed to fulfill the requirements of the Specialist Accreditation Board for specialist certification in haematology in Singapore.

To fulfill our mission, our programme incorporates the following:

Outstanding Features

- Comprehensive training in clinical and laboratory haematology, including benign and malignant haematology, stem cell transplantation, thrombosis and haemostasis, laboratory haematology, transfusion and blood banking. Our broad case mix increases our residents' exposure to a wide spectrum of simple and complex haematology patients with both common and rare disorders.
- Structured educational programme that comprises of (a) weekly didactic sessions with conferences, formal lectures and multidisciplinary conferences
(b) clinical experience, including in-patient care, consultations, stem cell transplantation and ambulatory clinics and (c) laboratory rotations including general and specialised haematology laboratory, transfusion, blood banking and stem cell laboratory.
- As a national program we leverage on the training expertise available at all three haematology institutions in Singapore: NUHS, SGH, TTSH. This provides trainees with a rounded experience in clinical and laboratory haematology. Intensive training in transfusion medicine is carried out at the health sciences authority transfusion centre.
- Opportunities for supervised research and participation in scholarly activities under guidance of research mentors.
- Excellent training environment with strong teaching culture and dedicated faculty teaching and supervision.

Programme Structure

The educational programme will provide a comprehensive supervised framework for advanced subspecialty training in the field of adult benign and malignant haematology, covering all aspects of clinical haematology including stem cell transplantation and important aspects of laboratory haematology and blood bank/transfusion.



In collaboration with:

Year 1:

Gaining foundational experience and knowledge in clinical and laboratory haematology.

Year 2:

Consolidating residents' experience and knowledge with further in-depth clinical and laboratory training.

Year 3:

Focused training in clinical, laboratory or research blocks.

To increase clinical expertise and help develop decision-making opportunities, the senior residents will have two half-day ambulatory clinics a week throughout the three-year senior residency programme.



Sample block rotation (Block Diagram for Trainees starting at NUHS)

| Block | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----------------------------------|--|----------|-------|-------|----------|----------|-------------------------------------|---|------|-------------|----------------|-------------|
| Year 1 | | | | | | | | | | | | |
| Institution | NUHS | NUHS | NUHS | NUHS | NUHS | NUHS | NUHS | NUHS | NUHS | NUHS | NUHS | NUHS |
| Rotation Type | Wards | Wards | Wards | Wards | Wards | Wards | Lab | Lab | GRM | GRM | Lab | Lab |
| Ward or Laboratory Emphasis* | Ward | Ward | SCT | SCT | Consults | Consults | Morphology | Red cells clinical/lab transfusion medicine | GRM | GRM | Flow cytometry | Coagulation |
| Disease-specific clinic / Y1-2** | Disease specific Clinics Based on Institutional Roster | | | | | | | | | | | |
| Continuity Clinic | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Year 2 | | | | | | | | | | | | |
| Block | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Institution | NUHS | NUHS | NUHS | NUHS | NUHS | NUHS | HAS/SGH | NUHS | NUHS | TTSH | TTSH | TTSH |
| Rotation Type | Wards | Wards | Wards | Wards | Wards | Wards | Lab(HSA) | GM | GM | Wards / Lab | Wards / Lab | Wards / Lab |
| Ward or Laboratory Emphasis | Consults | Consults | Ward | SCT | Ward | Ward | Clinical / Lab Transfusion Medicine | GM | GM | Ward | Coagulation | Ward |
| Disease-specific clinic / Y1-2 | Disease specific Clinics Based on Institutional Roster | | | | | | | | | | | |
| Continuity Clinic | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Year 3 | | | | | | | | | | | | |
| Block | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Institution | SGH | SGH | SGH | SGH | SGH/HSA | SGH | SGH | SGH | NUHS | NUHS | NUHS | NUHS |
| Rotation Type | Ward | Ward | Lab | Ward | Lab | Ward | Ward | Ward | GM | GM | Lab | Lab |

Rotation to TTSH applies only to senior residents funded by NHG.

| Block | 13 | 14 | 15 | 16 | 17 | 18 |
|---------------|------|------|------|------|------|------|
| Institution | NUHS | NUHS | NUHS | NUHS | NUHS | NUHS |
| Rotation Type | Ward | Ward | Lab | Ward | Ward | Ward |

Last 6 months to include elective rotations, these are optional and may range from 1-3 months in duration

Disease specific clinics and consults (inpatient referral cover) maybe carried out based on institutional rosters

Trainees will rotate to Tan Tock Seng Hospital for 3 months during the 2nd year of training

SCT: Stem Cell Transplant, HSA: Health Sciences Authority



Year 1:

Gaining foundational experience and knowledge in clinical and laboratory haematology.

Year 2:

Consolidating residents' experience and knowledge with further in-depth clinical and laboratory training.

Year 3:

Focused training in clinical, laboratory or research blocks.

To increase clinical expertise and help develop decision-making opportunities, the senior residents will have two half-day ambulatory clinics a week throughout the three-year senior residency programme.



Sample block rotation (Block Diagram for Trainees starting at SGH)

| Block | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|--------------------------------|--|----------|-------|-------|----------|-------------|-------------------------------------|-------------------------------------|-----|-----|---|-------------------|
| Year 1 | | | | | | | | | | | | |
| Institution | SGH | SGH | SGH | SGH | SGH | SGH | SGH | SGH | SGH | SGH | SGH | SGH |
| Rotation Type | Wards | Wards | Wards | Wards | Wards | Wards | Lab | Lab | GRM | GM | Lab | Wards |
| Ward or Laboratory Emphasis | Ward | Ward | SCT | SCT | Consults | Consults | Morphology | Morphology | GRM | GRM | Coagulation | Ward |
| Disease-specific clinic / Y1-2 | Disease specific Clinics Based on Institutional Roster | | | | | | | | | | | |
| Continuity Clinic | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Year 2 | | | | | | | | | | | | |
| Block | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Institution | SGH | SGH | SGH | SGH | SGH | SGH | HSA/SGH | HSA/SGH | SGH | SGH | SGH | SGH |
| Rotation Type | Wards | Wards | Wards | Wards | Wards | Lab | Lab | Lab | GM | GM | Lab | Lab |
| Ward or Laboratory Emphasis | Consults | Consults | Ward | SCT | Ward | Flow / Coag | Clinical / Lab Transfusion Medicine | Clinical / Lab Transfusion Medicine | GM | GM | Red Cells clinical / Lab transfusion medicine | Morphology / Coag |
| Disease-specific clinic / Y1-2 | Disease specific Clinics Based on Institutional Roster | | | | | | | | | | | |
| Continuity Clinic | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Year 3 | | | | | | | | | | | | |
| Block | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Institution | NUHS | NUHS | NUHS | NUHS | NUHS | NUHS | NUHS | NUHS | SGH | SGH | HAS / SGH | SGH |
| Rotation Type | Wards | Wards | Wards | Wards | Wards | Lab | Lab | Wards | GM | GM | Lab | Lab |

Rotation to TTSH applies only to senior residents funded by NHG.

| Block | 13 | 14 | 15 | 16 | 17 | 18 |
|---------------|-------------|-------------|-------------|-------|-------|-------|
| Institution | TTSH | TTSH | TTSH | SGH | SGH | SGH |
| Rotation Type | Wards / Lab | Wards / Lab | Wards / Lab | Wards | Wards | Wards |

Last 6 months to include elective rotations, these are optional and may range from 1-3 months in duration

Disease specific clinics and consults (inpatient referral cover) maybe carried out based on institutional rosters

Trainees will rotate to Tan Tock Seng Hospital for 3 months during the last 1.5 years of training

SCT : Stem cell transplant, HSA: Health Sciences Authority

