

# **DR. CHARLES KUMI HAMMOND**

**BSc, MBChB, Dip PDM, Cert Paed Neuro, MPhil, FWACP, FGCP**

**Consultant Paediatric Neurologist & Senior Lecturer**

## **A. PERSONAL DETAILS**

### Contact information

Address: Department of Child Health  
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Kwame Nkrumah University of Science and Technology  
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### Research credentials:

ORCID ID: <https://orcid.org/0000-0002-1482-0419>

ResearchGate: [https://www.researchgate.net/profile/Charles\\_Hammond8](https://www.researchgate.net/profile/Charles_Hammond8)

### Biographic data:

Date of birth: 08 July 1975

Nationality: Ghana

Languages: English, Akan

Marital status: Married (with 3 children)

**B. EDUCATION AND KEY QUALIFICATIONS**

INSTITUTION	DEGREE	YEAR AWARDED	FIELD OF STUDY
Kwame Nkrumah University of Science and Technology, Kumasi, Ghana	BSc	1999	Human Biology
Kwame Nkrumah University of Science and Technology, Kumasi, Ghana	MChB	2002	Medicine & Surgery
West African College of Physicians	Membership (MWACP)	2008	Paediatrics
Liverpool School of Tropical Medicine	Professional Diploma	2012	Project Design and Management
West African College of Physicians	Fellowship (FWACP)	2013	Paediatrics
Colleges of Medicine of South Africa	Sub-specialty certificate	2017	Paediatric Neurology
University of Cape Town, South Africa	MPhil	2018	Paediatric Neurology
Ghana College of Physicians and Surgeons	Fellowship by Election (FGCP)	2019	Paediatrics

**C. SHORT COURSES AND ELECTIVES ATTENDED**

INSTITUTION	DATE	COURSE
Northwestern University Medical School, Chicago, IL, USA	Nov-Dec 2001	Elective medical student (Urology)
Medical Research Council, The Gambia	Jan 2002	Elective medical student (Paediatrics and Infectious Disease)
Nationwide Children's Hospital, Ohio State University, Columbus, OH, USA	Mar-Jun 2010	Frederick and Virginia Smith Stecker Scholar (Paediatric Neurology)
Royal College of Paediatrics and Child Health	Jun 2013 – May 2014	Clinical audit course
British Paediatric Neurology Association (BPNA)	Feb 2016	1. Paediatric Epilepsy Training (PET) Course, level 1 2. PET Training of Trainers Course
Association for Research in Infant and Child Development (ARICD)	Nov 2016	Griffiths III developmental scale

#### **D. EMPLOYMENT HISTORY AND POSITIONS HELD**

2002 – 2003:	House Officer (Paediatrics), Komfo Anokye Teaching Hospital, Kumasi, Ghana
Apr – Sep 2003:	House Officer (Surgery), Komfo Anokye Teaching Hospital, Kumasi, Ghana
2003 – 2004:	Medical Officer, Pediatrics, Komfo Anokye Teaching Hospital, Kumasi, Ghana
2004 – 2008:	Pediatric Resident, Komfo Anokye Teaching Hospital, Kumasi, Ghana
2008 – 2013:	Specialist (Pediatrician), Komfo Anokye Teaching Hospital, Kumasi, Ghana
Mar – Jun 2010:	Frederick and Virginia Smith Stecker Scholar (Pediatric Neurology), Nationwide Children’s Hospital, Ohio State University, Columbus, Ohio, USA.
2009 – 2014:	Adjunct Lecturer, Department of Child Health, School of Medical Sciences, Kwame Nkrumah University of Science and Technology, Ghana
2011 – 2014:	Medical Adviser and Project Lead, Save my Mother Project, SOS Children’s Villages, Ghana.
2014 – 2017:	Fellow in Pediatric Neurology, Red Cross War Memorial Children’s Hospital, University of Cape Town, South Africa.
2013 to date:	Senior Specialist, Department of Child Health, Komfo Anokye Teaching Hospital, Kumasi, Ghana
2017 to date:	Consultant Paediatric Neurologist, Department of Child Health, Komfo Anokye Teaching Hospital, Kumasi, Ghana
2018 to 2020:	Lecturer, Department of Child Health, School of Medicine and Dentistry, College of Health Sciences, KNUST, Kumasi, Ghana
2020 to date	Senior Lecturer, Department of Child Health, School of Medicine and Dentistry, College of Health Sciences, KNUST, Kumasi, Ghana

#### **E. AWARDS AND HONOURS**

2001:	VALCO Trust Award for medical electives at the Medical Research Council (MRC) in the Gambia, KNUST School of Medical Sciences, Kumasi, Ghana.
2010:	Frederick and Virginia Smith Stecker Fellowship Award, Nationwide Children’s Hospital, Ohio State University, Columbus, Ohio, USA.
2013:	Best Clinical Audit Presentation, Royal College of Paediatrics and Child Health (RCPCH) in Collaboration with The Ghana College of Physicians and Surgeons (GCPS), Accra, Ghana.
2017:	Bernard D’Souza International Fellowship Award, Child Neurology Society, USA

## **F. PROFESSIONAL MEMBERSHIP**

- 2002 to date: Member, Ghana Medical Association (GMA)
- 2004 to date: Member, Paediatric Society of Ghana (PSG)
- 2014 to date: Member, Paediatric Neurology & Development Association of South Africa (PANDA-SA)
- 2014 to date: Member, African Child Neurology Association (ACNA)
- 2014 to date: Member, International Child Neurology Association (ICNA)
- 2014 to date: Member, International League Against Epilepsy (ILAE)
- 2017 to date: Associate Member, Child Neurology Society (CNS)
- 2017 to date: Associate Member, British Paediatric Neurology Association (BPNA)
- 2020 to date: Corresponding Member, Infantile Seizure Society (ISS)

## **G. CURRENT POSITIONS AND DUTIES**

### **1. Consultant Paediatric Neurologist & Head of Paediatric Neurology Unit, Komfo Anokye Teaching Hospital, Kumasi, Ghana**

- Head of the Paediatric Neurology Team
- Provision of specialist paediatric neurology service (in-patient and out-patient)
  - General Paediatric Neurology Clinic
  - Paediatric Epilepsy Clinic (for epileptic encephalopathies and intractable seizures)
  - MDT Neuro-disability clinic (Multi-disciplinary team clinic for cerebral palsies, neuromuscular disorders, and other neuro-disabilities)
  - MDT Behaviour Clinic (combined paediatric neurology and psychiatry clinic for children with autism spectrum disorder, attention deficit and hyperactivity disorder, and other neuro-behavioural disorders)
  - MDT Infant Neurodevelopmental follow-up clinic for preterm infants
  - Neurology Transition Clinic (combined paediatric and adult neurology clinic for adolescents with neurological disorders)
- Head of the Paediatric EEG Lab
  - Provision of paediatric electroencephalogram (EEG) service

**2. Senior Lecturer, Department of Child Health, KNUST School of Medicine and Dentistry, Kumasi, Ghana**

- Teaching of undergraduate medical students. Lecture topics include
- Epilepsy and seizure disorders in children
- Cerebral palsy
- Neuromuscular disorders
- Neuro-behavioural and developmental disorders in children
- Intellectual disability
- Neurological examination (bedside), etc.

**3. Postgraduate teaching for Paediatrics Residents of the Ghana College of Physicians and Surgeons (GCPS) and the West African College of Physicians (WACP)**

- Revision course for Paediatrics Membership candidates, WACP and GCPS
- Update courses for Paediatrics residents, WACP and GCPS
- Supervision of research candidates for the Diploma in Project Design and Management (DPDM) programme, GCPS

**4. Part-time Lecturer**

- University for Development Studies, Tamale
- University of Health and Allied Sciences, Ho
- Physician Assistant Programme, College of Health and Wellbeing, Kintampo

**5. External Examiner**

- 2012: Final Qualifying Examination for Medical Assistant Trainees, College of Health and Wellbeing, Kintampo.
- 2017: MBChB Final Part 1B Examination in Child Health, KNUST School of Medical Sciences, Kumasi
- 2017: Final Part 1B MBChB Examination, University for Development Studies, School of Medicine and Health Sciences, Tamale

- 2018: Final Exit Practical Examination for Physician Assistants, College of Health and Wellbeing, Kintampo.
- 2019: Final Exit Practical Examination for Physician Assistants, College of Health and Wellbeing, Kintampo.
- 2019: Final Part 1B MBChB Examination, University for Development Studies, School of Medicine and Health Sciences, Tamale
- 2020: Final Exit Practical Examination for Physician Assistants, College of Health and Wellbeing, Kintampo

#### **6. Country Lead and Course Director, Paediatric Epilepsy Training (PET) Course**

- Member of the British Paediatric Neurology Association (BPNA) International Writing Group that revised the PET-1 Course Handbook
- Member of the PET-1 Africa faculty
- Country Lead for the PET-1 Ghana faculty
- Course Director for the PET-1 courses held in Ghana

#### **7. Member of various task forces of the International League Against Epilepsy (ILAE)**

- ILAE Generic Drug Task Force of the Commission on Medical Therapies
- Education and Training Expansion Task Force of ILAE Africa

#### **8. Member of the National Polio Expert Committee for Polio Eradication (NPEC)**

- Role as Paediatric Neurologist on the committee

#### **9. Current research activities**

- Project title: Immediate Kangaroo Mother Care (iKMC) Neurodevelopmental Follow-up study  
My role: Co-investigator (Site paediatric neurologist, contributed to development of epilepsy questionnaire, training and supervision doctors using the HINE tool for data collection, training and supervision of research assistants on the use of the epilepsy questionnaire to collect data).
- Project title: Pediatric pain educational programme for Healthcare providers (PeproH Project)  
My role: Co-investigator

## F. CONTRIBUTION TO SCIENCE

### Peer review publications:

1. **Hammond CK**, Dogbe J, Paintsil V, Osei-Tutu L, Owusu M. Pain Description and Presentation in Children Admitted to a Teaching Hospital in Ghana. *Journal of Cancer Prevention & Current Research*. 2015 May 19; 2(4):00046.
2. Paintsil V, Dogbe J, Blay Nguah S, Osei-Akoto Alex, Osei-Tutu L, **Hammond C**. Pattern of Childhood Cancers Presenting to the Paediatric Cancer Unit of a Tertiary Hospital in Kumasi, Ghana. *Journal of Cancer Prevention & Current Research*. 2015 November 05; 3(3):00083.
3. **Hammond CK**, Shapson-Coe A, Govender R, van Toorn R, Ndong A, Wieselthaler N, Eley B, Mubaiwa L, Wilmshurst JM. Moyamoya Syndrome in South African Children with HIV-1 Infection. *Journal of Child Neurology*. 2016 Jul; 31(8):1010-7.
4. **Hammond CK**, Eley B, Wieselthaler N, Ndong A, Wilmshurst JM. Cerebrovascular disease in children with HIV-1 infection. *Developmental Medicine & Child Neurology*. 2016 May; 58(5):452-60.
5. Ashong J, Ansong D, Dogbe J, Osei Akoto Alex, Amankwa AT, Paintsil V, Osei Tutu L, Sylverken J, **Hammond C**. Case Report on Multiple Pathologies in an Adolescent Sickle Cell Disease Patient in Ghana. *International Clinical Pathology Journal*. 2016 April 13; 2(2):00036.
6. **Hammond CK**, Eley B, Wilmshurst JM. Neuropsychiatric complications of efavirenz in children with HIV infection. *Future Virology*. 2016 Jun; 11(6): 469-80.
7. Dogbe J, Owusu-Dabo E, Edusei A, Plange-Rhule G, Addofoh N, Baffour-Awuah S, Sarfo-Kantanka O, **Hammond C**, Owusu M. Assessment of prison life in persons with disability in Ghana. *BMC International Health and Human Rights*. 2016; 16(1):20.
8. Opoku VK, Dogbe JA, **Hammond C**, Paintsil V, Taylor E, Frimpong E. The eye care needs of persons with visual impairment in a district hospital in Ghana. *Saudi J. Med. Pharm. Sci*. 2017 Nov; 3(11B):1237-1241
9. Ntiakoh-Ayipah D, Dogbe J, Opoku MP, Twum F, Owusu M, **Hammond CK**, Afari P, Donnir G. Prevalence of attention deficit and hyperactivity disorder among pupils in primary schools in Ghana. *Journal of International Special Needs Education*. Dec 2018. <https://doi.org/10.9782/18-00011>

10. Dogbe J, Kyeremateng JDA, Opoku MP, Nketsia W, **Hammond C**. “There is family tension, but they understand...”: familial and sibling relationship following the diagnosis of cerebral palsy in children in Ghana. *International Journal of Developmental Disabilities*. Feb 2019.  
DOI:10.1080/20473869.2019.1573572
11. **Hammond CK**, Eley B, Ing N, Wilmshurst JM. Neuropsychiatric and Neurocognitive Manifestations in HIV-Infected Children Treated With Efavirenz in South Africa-A Retrospective Case Series. *Front Neurol*. 2019;10:742. doi: 10.3389/fneur.2019.00742. eCollection 2019. PubMed PMID: 31338063.
12. Kyeremateng JDA, Edusei A, Dogbe JA, Opoku MP, Nketsia W, **Hammond C**, Afriyie SA. Experiences of primary caregivers of children with cerebral palsy across the trajectory of diagnoses in Ghana. *Afr J Disabil*. 2019;8:577. doi: 10.4102/ajod.v8i0.577. eCollection 2019. PubMed PMID: 31616620.
13. Osam JA, Opoku MP, Dogbe JA, Nketsia W, **Hammond C**. The use of assistive technologies among children with disabilities: the perception of parents of children with disabilities in Ghana. *Disabil Rehabil Assist Technol*. 2019 Oct 11;1-8. doi: 10.1080/17483107.2019.1673836. [Epub ahead of print] PubMed PMID: 31603354.

#### **Book chapters:**

1. Wilmshurst JM, **Hammond CK**, Donald K, Hoare J, Cohen K, Eley B. NeuroAIDS in children. In: Brew BJ (ed). *Handbook of Clinical Neurology*, Vol. 152 (3<sup>rd</sup> series). The Neurology of HIV infection. Elsevier (2018). <https://doi.org/10.1016/B978-0-444-63849-6.00008-6>
2. Contributor, Paediatric Epilepsy Training (PET1) Handbook, 2018 International Edition. Published by the British Paediatric Neurology Association (BPNA), 2018.
3. **Hammond CK** and Wilmshurst JM. Classification of childhood epileptic seizures. In: Mustafa Salih (ed). *Clinical Child Neurology*. Pp731-741. Springer (2020).
4. **Hammond CK** and Ndondo A. Cerebrovascular diseases. In: Amina Abubakar and Charles Newton (ed). *Recent advances in the Neurological and Neurodevelopmental Impact of HIV*. Mac Keith Press (Submitted 2017).
5. **Hammond CK** and Wilmshurst JM. Neurological Manifestations of HIV Infection. In: Amina Abubakar and Charles Newton (ed). *Recent advances in the Neurological and Neurodevelopmental Impact of HIV*. Mac Keith Press (Submitted 2017).

6. Eley B, Ogunbosi B, Banderker E, **Hammond CK**. Neuroinfections in HIV-infected Children. In: Amina Abubakar and Charles Newton (ed). Recent advances in the Neurological and Neurodevelopmental Impact of HIV. MacKeith Press (Submitted 2017).

### **Online contributions and non-peer review publications**

1. **Hammond C**. From Kumasi to Kansas City via Cape Town. Neurology: Without Borders. Nov 2017. Available from: <http://wb.neurology.org/>
2. **Hammond C**. JCN: Special HIV issue [Audio]. SAGE Neuroscience and Neurology 2016 September. Available from: <http://sageneuroscience.sage-publications.libsynpro.com/>.
3. **Hammond CK**, Shapson-Coe A, Govender R, van Toorn R, Ndong A, Wieselthaler N, Eley B, Mubaiwa L, Wilmschurst JM. A rare and insidious brain vessel disorder in children with HIV infection. Atlas of Science. 2016 June 22. Available from: <https://atlasofscience.org/a-rare-and-insidious-brain-vessel-disorder-in-children-with-hiv-infection/>
4. Contributed to online resources for students of KNUST
  - a. Collaborator/content contributor, KNUST Open Educational Resources (OER): Jaw Swellings - Case Scenarios in Pediatric Practice, 2012. Available from: [http://websys.knust.edu.gh/oer/pages/index.php?siteid=knustoer&page=find\\_materials&cou=36](http://websys.knust.edu.gh/oer/pages/index.php?siteid=knustoer&page=find_materials&cou=36)
  - b. Collaborator/content contributor, KNUST Open Educational Resources (OER): Case Scenarios in Pediatric Practice, 2011. Available from: [http://websys.knust.edu.gh/oer/pages/index.php?siteid=knustoer&page=find\\_materials&cou=9](http://websys.knust.edu.gh/oer/pages/index.php?siteid=knustoer&page=find_materials&cou=9)
5. Contributed to two chapters (Neurological disorders and Oncological disorders) in: KATH Department of Child Health (DCH) Treatment Guidelines, 2010.
6. Resource person and member, KATH Pain management committee that drafted the multidisciplinary guidelines for pain management in KATH, 2009.

### **Conferences Presentations**

1. 4<sup>th</sup> Africa Epilepsy Conference, Entebbe, Uganda. 22-24 Aug 2019.
  - Speaker: Opportunities for young clinicians and researchers in Africa
  - Co-chair: Prevention is better than cure.

2. 45th British Paediatric Neurology Association Annual Conference, 23-25 Jan 2019, Liverpool, UK.
  - Speaker: Child Neurology Practice in Ghana.
3. Kenya Paediatric Association Annual Conference, April 2018, Mombasa, Kenya.  
Course Director: Paediatric Epilepsy Training (PET) Course
  - Speaker: Acute Scenarios, PET1
  - Speaker: Quiz session.
4. Child Neurology Society Meeting, October 2017, Kansas City, MS, USA.
  - Bernard D'Souza Presentation: Moyamoya Syndrome in South African Children with HIV-1 infection.
  - Speaker: International symposium on the challenges of child neurology practice in low- and middle-income countries.
5. South African Paediatric Association (SAPA) Congress, September 2016, Durban, South Africa.
  - Poster presentation: Moyamoya Syndrome in South African Children with HIV-1 Infection.
6. International Child Neurology Congress (ICNC) May 2016, Amsterdam, The Netherlands.
  - Poster presentation: Moyamoya Syndrome in South African Children with HIV-1 Infection.
7. World Mental Health Day 2017. Department of Psychiatry, Komfo Anokye Teaching Hospital. September 2017, Kumasi, Ghana.
  - Presenter: Attention deficit hyperactivity disorder (ADHD) in children (presenter).
8. Combined West African College of Physicians (WACP) and Ghana College of Physician and Surgeons (GCPS) revision course for postgraduate paediatric resident doctors. July 2017, Kumasi, Ghana.
  - Presenter: Paediatric epilepsies
9. Pain Management Conference, Paediatric Oncology Unit, Department of Child Health, Komfo Anokye Teaching Hospital. August 2017, Kumasi, Ghana.
  - Presenter: Paediatric pain management
10. Department of Child Health, KATH and University of Utah Conference, 2013, True Vine Hotel, Kumasi.
  - Presenter: Paediatric Pain Management.
11. Ghana Association for the Study of Pain. Pain conference 2011. True Vine Hotel, Kumasi.

- Resource person and Presenter: Paediatric Pain Management.
12. Ghana Medical Association, Continuous medical Education, 2008, Miklin Hotel, Kumasi.
- Resource person and presenter: acute management of seizures in children.

## **G. REFEREES**

1. Prof. Jo M. Wilmshurst  
Professor & Head  
Division of Paediatric Neurology  
Department of Child and Adolescent Health  
Red Cross War Memorial Children's Hospital  
University of Cape Town  
Cape Town, South Africa
  
2. Dr. Joslin Dogbe  
Senior Lecturer & Consultant Pediatrician  
Department of Child Health  
Komfo Anokye Teaching Hospital  
Kwame Nkrumah University of Science and Technology  
Kumasi, Ghana