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Professional Profile

PERSONAL INFORMATION

Name	Ram Kumar	
Position	Consultant Paediatric Neurologist	
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PROFILE

I have been a Consultant Paediatric Neurologist at one of the busiest multi-specialty, tertiary children's hospitals in Europe for over 6 years. I undertake practice in both acute inpatient and chronic outpatient care across neurological conditions in children. I specialise in rehabilitation of children with acquired brain injuries, spasticity and movement disorder management.

KEY SKILLS

Acute paediatric neurology:

I undertake regular on-call providing consultations for on-site intensive care (one of the three busiest units in the UK), neurosurgery (one of the highest activity departments in the UK), cardiothoracic surgery (one of seven in the UK), oncology and emergency departments. I do emergency consults for these and other specialties with **acute-onset neurological disorders**. I admit and manage children with **complex neurological problems** referred from across the North West England and North Wales regions.

Chronic conditions and ambulatory paediatric neurology:

I do weekly **general paediatric neurology** clinics receiving referrals from primary, secondary and tertiary care. I do regular outreach paediatric neurology clinics run jointly with the general paediatrician or community paediatrician at district general hospitals and community neurodevelopmental clinics respectively.

Main conditions managed: **cerebral palsy, headache, epilepsy, sleep disorders, neurogenetics, neuromuscular diagnosis.**

Subspecialty expertise:

I lead the **regional child and adolescent spasticity and movement disorders management service** for the North West. This includes: assessment for oral spasticity medications, botulinum toxin injection for upper and lower limbs, intrathecal baclofen, selective dorsal rhizotomy and deep brain stimulation programming. I run weekly multidisciplinary clinics with specialist developmental and neurophysiotherapists, occupational therapist, orthopaedic surgeon, upper limb surgeon, adult and paediatric functional neurosurgeons.

I am the lead consultant for acute **neurorehabilitation**, supervising the care of children with **acquired brain injuries** requiring highly complex multidisciplinary rehabilitation team input. I interact regularly with physiotherapists, occupational therapists, speech and language therapists, neuropsychologists and teachers regarding acquired brain injury management as inpatient and long-term follow-up.

I am the designated paediatric neurologist for the neuro-oncology multidisciplinary team. I attend weekly multidisciplinary team meetings on children with known and suspected **brain tumours** from diagnosis and rehabilitation perspectives.

EDUCATION

BA (Pathology)	University of Cambridge	1992
MB BChir	University of Cambridge	1994
MRCP (Paediatrics)	Royal College of Physicians, London	1998
CCT		2007

AREAS OF EXPERTISE / OTHER USEFUL INFORMATION

Education and Training

Honorary Clinical Lecturer at the University of Liverpool.

Tutor for the British Paediatric Neurology Association Distance Learning course.

Regional training advisor for paediatric neurology for the Mersey Deanery.

Postgraduate training of doctors in general paediatrics, child psychiatry, paediatric neurology, adult neurology, and adult rehabilitation medicine.

Current and recent research

Co-investigator of externally funded project on visual function in children with hemiplegia (Paul Polani award 2010).

Co-investigator of internally funded project on reliability of ataxia rating scales in children with posterior fossa tumours.

Co-investigator of externally funded project (completed): Social cognition in children treated for posterior fossa tumours.

Recent abstracts and publications

Sulthiame in refractory paediatric epilepsies: an experience of an 'old' antiepileptic drug in a tertiary paediatric neurology unit. Swiderska N, Hawcutt D, Eaton V, Stockton F, Kumar R, Kneen R, Appleton R. *Seizure*. 2011;20(10):805-8.

Mutations in CTC1, encoding conserved telomere maintenance component 1, cause Coats plus. Anderson et al. *Nat Genet*. 2012; 44(3):338-42.

Relationship between amount of therapy input received and routinely collected administrative data in an acute paediatric neurorehabilitation service. Kumar R. *Brain Injury*, April–May 2012; 26(4–5): 446.

Contributed the chapters on cerebral palsy and spinal disorders in Oxford Specialist Handbook of Paediatric Neurology, 2nd Edition (Oxford University Press). Published 2012.

Intravenous levetiracetam in acute repetitive seizures and status epilepticus in children: Experience from a children's hospital. McTague A, Kneen R, Kumar R, Spinty S, Appleton R. *Seizure*. 2012;21(7):529-34.

Clinical Reasoning: acute ptosis in a young child. Das D, Spinty S, Kumar R. *Neurology* 2012; 79 (8):e155-e160.

Interventions are effective in reducing emergency hospital admission rates for children with epilepsy. Madhu R, Kumar R, Neely L. *Dev Med Child Neurol* 2013; 55 (Suppl 1): 53.

Baclofen in community paediatric management of hypertonia. Kumar R and George B. *Arch Dis Child* 2013; 98: 162.

A decision analysis tool for the assessment of posterior fossa tumour surgery outcomes in children – the "Liverpool Neurosurgical Complication Causality Assessment Tool". Zakaria R, Ellenbogen J, Graham C, Pizer B, Malluci C, Kumar R. *Child's Nervous System* 2013 (in press).

PROFESSIONAL MEMBERSHIPS

Royal College of Physicians (London)
British Paediatric Neurology Association
European Paediatric Neurology Society
British Academy of Childhood Disability
Children's Cancer and Leukaemia Group
British Sleep Society
Society for the Study of Behavioural Phenotypes

REFERENCES

References available upon request.