

## **Curriculum vitae**

### **Professor Nick Bishop, MB ChB MRCP, MD, FRCPCH**

*Professor of Paediatric Bone Disease*

Understanding the causes of bone fragility in children and improving treatment for children with disabling bone diseases.

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### **Academic Profile**

Nick's main interest is on bone fragility in childhood, from apparently healthy children with one or more fractures, to children with a defined clinical phenotype such as OI, in whom fractures occur frequently. His work in otherwise healthy children has identified differences in bone architecture among children with one or more fractures, accentuated by obesity, along with differences in genotype that may be protective against fracture.

In children with osteogenesis imperfecta, he focuses on reducing fracture frequency and improving quality of life using oral and intravenous bisphosphonates.

Nick's studies of bisphosphonate interventions include collaborations with Thomas Hangartner at Wright State University to develop a new whole bone imaging technique and with colleagues in Oxford and Southampton to investigate the role of maternal vitamin D in determining skeletal size in infancy and childhood.

Nick's research is funded by medical research charities, including the Arthritis Research Campaign, and the biotechnology and pharmaceutical industries.