

assess impairment of function before prescribing melatonin. The main preparation of melatonin prescribed is tablets (94%), followed by liquid (59%) then capsules (41%). Mostly (65%) slow release medication is given. The minimum dose of melatonin prescribed is 2 mg (range 0.5 mg–3 mg), maximum dose range (4–12 mg).

Practice varies in how often children are reviewed. Some (35%) review in the first 3–4 months, others 6 monthly (29%). Most (94%) clinicians offer at least yearly reviews. Routine trials off melatonin are offered by 65%. On average children stay 26 months on melatonin before withdrawal (range 6–120 months). In comments Paediatrician gave views regarding the management of disrupted sleep, the need for good sleep hygiene support, which patient groups melatonin is best suited for and management of melatonin treatment.

**Conclusions** This survey has highlighted variability amongst Community Paediatricians in the East of England in certain areas of melatonin prescribing, possibly due to lack of uniform standards. With these results we are therefore creating a generic regional algorithm for initiating melatonin in children with disrupted sleep pattern which may form a platform for developing a melatonin prescription and sleep guideline for individual Organisations.

#### G430(P) IS IT POSSIBLE TO HAVE HIGH STANDARDS PRACTICAL PATHWAY FOR AUTISM SPECTRUM DISORDER?

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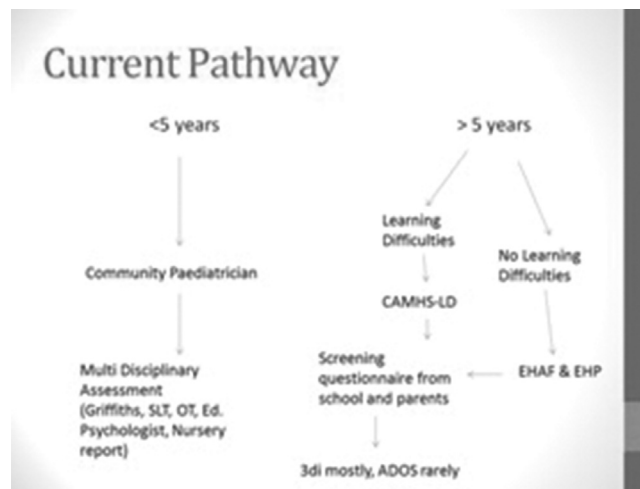
**Aims** Public awareness of Autism Spectrum Disorder (ASD) is increasing, as well as the demand for assessment. The implementation of high standards and practical pathway for assessment and diagnosis can be a challenge for many trusts including our trust. The aim was to reconstruct the current pathway by the trust to produce a practical pathway for assessment and diagnosis of ASD that meet the high standards of NICE guidelines and following the DSM-V criteria.

**Methods** Firstly the strengths and weaknesses of the current pathway have been identified. Secondly set up the essential elements of the future pathway defined by DSM-V criteria and NICE guidelines for ASD assessment and diagnosis. An estimated time scale was calculated based on clinic and administration time required.

**Results** Three essential elements for the assessment have been identified: A) comprehensive meeting with paediatrician, B) multisource observational reports and C) direct assessment. It was possible to incorporate in each step some elements of the NICE guidelines and DSM-V criteria to cover all the essential elements and criteria. Finally, a set of recommendations and suggested pathway for the assessment and diagnosis of ASD was produced. The estimated time to make a definitive outcome about ASD is possible within 240 min of clinician's direct clinical and administration work.

See Figures 1 and 2

**Conclusion** It is essential for trusts to have a high standards and practical pathway for ASD diagnosis and assessment in line with NICE guidelines and DSM-V criteria. The current pathway was not satisfactory and a suggested practical pathway has been produced to meet the high standards of practice.



Abstract G430(P) Figure 1 Current pathway

#### G431(P) AUDIT ON LOOKED AFTER CHILDREN AT RISK OF BLOOD-BORNE INFECTIONS

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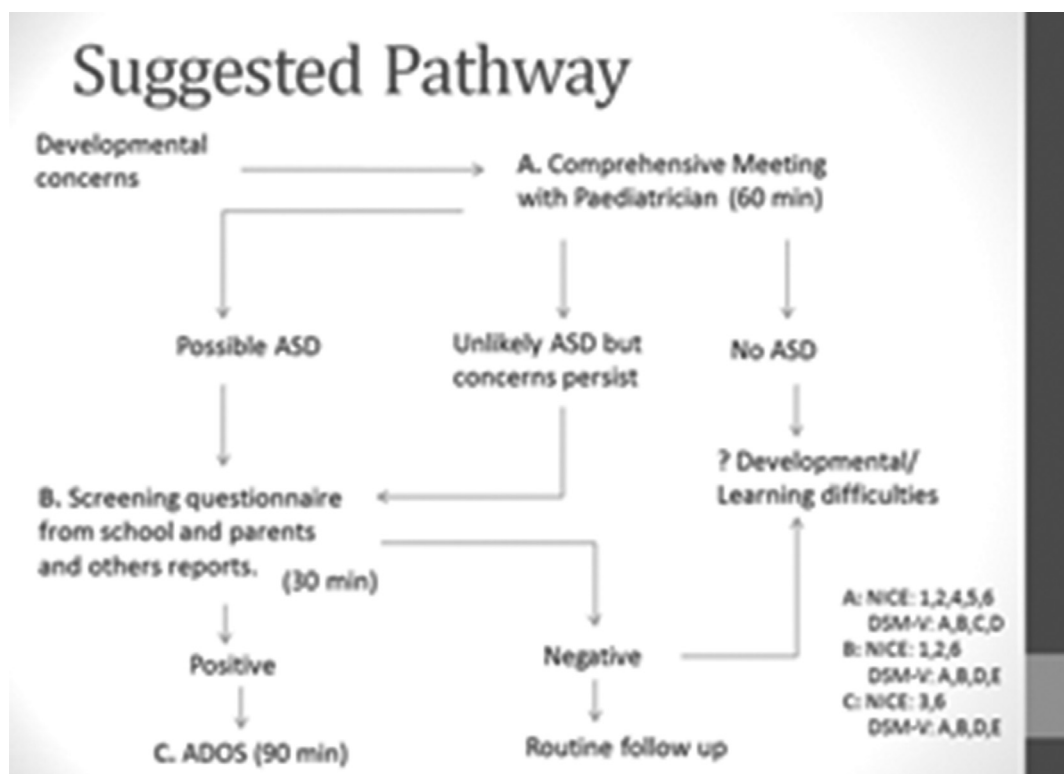
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**Aims** We aimed to assess whether Looked After Children (LAC) at risk of blood-borne infections (BBI) were identified, assessed, tested and referred as per the British Association for Adoption and Fostering (BAAF) guidance, in our specialist LAC service.

**Methods** Retrospective 12-monthly audit (June13–June14) of all children attending our specialist LAC clinic in Community Paediatrics in our University Teaching Hospital. Data collected from patient health reports, blood investigation results (including maternal antenatal infection screening) and information from Social Care on parental lifestyle. Data analysed using Microsoft Excel.

**Results** 212 children attended our specialist LAC clinic. 37 children (17%) were identified as needing BBI screen. Out of these, only 22 (60%) were screened. 8 out of 22 children (36%) had a complete screen (Hepatitis B/C and HIV) with the remaining having a partial screen. 12 children had Hepatitis C positive mothers. Worryingly, only 8 of these 12 children (66%) had BBI screen. There were no Hepatitis B or HIV positive mothers. Reasons for not having BBI screen were difficulties in obtaining consent, failure to identify those children at risk or to get the extended information about parental lifestyle and screening results. BBI screen revealed 2 children positive for Hepatitis C antibodies and appropriate follow-up was arranged. There were no children that had a BBI screen when that was not indicated.

**Conclusion** Our audit revealed a wide variation in practice as to which children have a BBI screen. We subsequently developed a protocol in the form of two flowcharts. These will be included in the LAC health assessment paperwork and aim to promote clarity and good clinical practice. As failure to obtain consent played an important hindering factor in getting our vulnerable population screened for BBI, we suggested that, when possible, consent is taken at the time of consultation. Improved communication and information sharing between Health and Social Care is essential. Finally, team education is greatly important and will



Abstract G430(P) Figure 2 Suggested pathway

be reinforced by the integration of BBI risk assessment to induction of new community trainees. We plan to implement this in March 2015, and we aim to maintain and reinforce those changes, by continuous monitoring and service evaluation.

### G432(P) INVESTIGATION INTO AN INCREASE IN PAEDIATRIC TUBERCULOSIS INCIDENCE IN GREATER MANCHESTER

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**Aims** During the period 2003/4–2009 there was an almost 3-fold increase in the incidence of tuberculosis (TB) in children in Greater Manchester (GM). The aim of this investigation was to understand the factors driving this increase, with a view to improving prevention and reversing the increasing trend.

**Methods** Data were prospectively collected from paediatric TB cases diagnosed within GM between 1 January 2012 and 31 December 2013. Cases were GM residents <16 years at diagnosis. Information was collected from the parents/guardians of each case using a standardised proforma, where possible at the initial clinical consultation. At the end of the investigation period, teleconferences were held with each clinical service to

assess the potential preventability in the UK setting of reported cases.

**Results** 60 TB cases were ascertained during the study period. Proforma were completed for 56/60. 57% were male. Age ranged from 0–15 years with 32% of cases under 5 years of age and 21% of the cases 15 years of age. Over half of the cases (31/56 (55%)) were UK-born, 9/56 (16%) were born in Pakistan and country of birth for the remainder was distributed across 11 different countries.

A total of 17 cases (30%) were judged to have been potentially preventable. Figure 1 shows the factors contributing to preventability by number of cases. 7/17 of the potentially preventable cases were UK-born.

**Conclusion** A third of cases for whom data collection was completed were judged to be potentially preventable. The two main themes that emerged were failure of the new entrant screening process and failure to be vaccinated with BCG vaccine despite being eligible. In order to reduce the burden of paediatric TB, it is important to ensure effective mechanisms are in place to maximise ascertainment of eligible new entrants to the UK. With regards to BCG vaccination, a review of arrangements across GM is currently underway.

### G433(P) KIKUCHI DISEASE WITH MULTISYSTEM INVOLVEMENT: A CASE REPORT

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