

Myelomeningocele:

prenatal diagnosis, prenatal counselling, and current management in different European countries

UK Practice



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**NHS Fetal Anomaly
Screening Programme**



NHS

Screening Programmes

<http://fetalanomaly.screening.nhs.uk>

All women are offered two ultrasound scans during a routine pregnancy:

11⁺² - 14⁺⁰ Dating +/- Downs Screening

18⁺⁰ - 20⁺⁶ Mid-Trimester Anomaly scan

Uptake of both scans is essentially 100%, but uptake of Downs screening varies across country with about 65% average.



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18⁺⁰ - 20⁺⁶ Mid-Trimester Anomaly scan

performed by trained sonographers (non medical)

11 Conditions

Condition	Detection rate %
Anencephaly	98
Open spina bifida	90
Cleft lip	75
Diaphragmatic hernia	60
Gastroschisis	98
Exomphalos	80
Serious cardiac abnormalities	50
Bilateral renal agenesis	84
Lethal skeletal dysplasia	60
Edwards' syndrome (T18)	95
Patau's syndrome (T13)	95



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UK Numbers

700,000	births per year
650-700	diagnoses at 18-20+6 scan
90%	opt for pregnancy interruption
65-70	potential cases per year

1st prenatal repair (in Leuven) May 2014
Now discussion re future of UK centre



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Pathway of care

Sonographer refers to fetal medicine

Patients seen by fetal medicine specialist within 5 days

Fully counselled initially by fetal medicine

offered karyotype

offered counselling by Neurosurgeon

given information re “Shine”

If patient requests termination (>90%) this is arranged
offered post mortem.

If patient considering continuation

MRI arranged

Consult with Neurosurgeon (if not already done)

Plan of care made including options for prenatal surgery



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Thanks for listening

any questions?



International Fetal Medicine and Surgery Society 2015

June 19-23, 2015
(Friday till Tuesday)

Creta Maris Resort
Crete

overlapping with beginning of
Fetal Medicine Foundation

