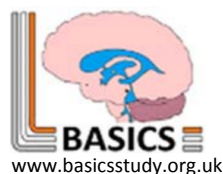


Current Neurosurgical Trials: Removing the Headache (2015)

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The Leeds Teaching Hospitals **NHS**
NHS Trust



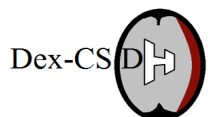
Details: RCT examining infection (<6 months) in ventriculoperitoneal shunts (VPS). Standard (silicone) vs. antibiotic-impregnated (Bactiseal) and silver-impregnated (Silverline) devices
Inclusion: Newly diagnosed hydrocephalus | VPS primary Rx option | Clear CSF at insertion
Exclusion: Prior indwelling VPS | Active CSF/peritoneal infection | Multiloculated hydrocephalus requiring multiple VPS/neuroendoscopy | ventriculoatrial/ventriculopleural shunt planned

Details: Prospective, longitudinal, observational study across Europe, using existing heterogeneity in management of Traumatic Brain Injury (TBI) to improve classification and future Rx



Inclusion: Clinical TBI | CT indicated | Presents <24h of injury | Consent

Exclusion: Severe pre-existing neurological disorder that would confound outcome assessments



Details: Double-blinded RCT of 2-week course of dexamethasone in patients with symptomatic chronic subdural haematoma (CSDH), assessing clinical- and cost-effectiveness

Inclusion: Age ≥16 | Symptomatic CSDH, confirmed with cranial imaging

Exclusion: Previous surgical intervention for CSDH during same admission | Steroids contra-indicated/already on steroids | Previous enrolment in study | (Admission → Rx) >72h | CSF shunt

Details: Evaluation of a fluorescent (5-ALA) marker for intraoperative distinction of glioma grade

Inclusion: Age ≥16 | Neurooncology MDT agrees; i) WHO grade II (?transforming → III/IV), III or IV

ii) Fluorescence guided cytoreductive surgery is appropriate | WHO performance grade 0 or 1

Exclusion: Previous malignancy (some cutaneous exceptions), brain surgery or cranial radiotherapy | Ongoing (non-steroid) anticancer therapy | Pregnancy/lactation | Symptomatic acute liver disease | Platelets <100 x 10⁹/L

GALA-BIDD

www.tinyurl.com/GalaBIDD

HIFU

Details: Trial of High Intensity Focused Ultrasound (HIFU) in primary sacrococcygeal bone tumours

Inclusion: Age >18 | Sacral chordoma/osteosarcoma | Previous surgical Rx/radiotherapy

Exclusion: Unfit for daycase GA | Pregnant | Invisible on B-mode ultrasound/hollow viscus in beam

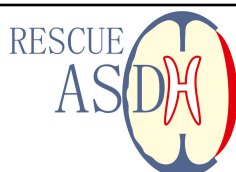
Details: RCT comparing clinical- and cost-effectiveness of trans-foraminal epidural steroid injection vs. microdiscectomy for chronic radicular pain secondary to intervertebral disc prolapse

NERVES

www.tinyurl.com/NERVEtrial

Inclusion: Newly diagnosed, disabling sciatica secondary to MRI-proven prolapsed intervertebral disc | Symptoms present 6wks-6m | Age 16-65 | Symptoms refractory to medication/physiotherapy/modification of daily activities

Exclusion: Neurological deficit | Previous spinal surgery at same level | Age <16 | Not tried conservative Rx ≥6wks



www.rescueASDH.org

Details: Pragmatic parallel group RCT comparing craniotomy with decompressive craniectomy in acute subdural haematoma (ASDH)

Inclusion: Age >16 | ASDH on CT | Admitting neurosurgeon feels either craniotomy or decompressive craniectomy required | Patients with additional lesions may be included

Exclusion: Bilateral unresponsive dilated (>5mm) pupils ± brainstem injury on CT | Uncorrected coagulopathy | Bilateral ASDH, both requiring evacuation | Previous enrolment in study | Severe pre-existing comorbidity which would lead to poor outcome despite recovery from head injury

Details: Parallel group study investigating whether long-term antiplatelet therapy reduces vascular events in patients who have survived intracerebral haemorrhage (ICH) whilst taking anti-thrombotic medication

Inclusion: Age ≥18 | Spontaneous ICH not attributable to TBI | Prior use of antithrombotic medication | ≥24h post-ictus | Uncertainty about starting antithrombotics | Pt registered with GP

Exclusion: ICH due to TBI or haemorrhagic transformation of ischaemic stroke | Pt on anticoagulants following ICH | Breastfeeding/pregnant or potential to become pregnant | Involvement in other trials



www.restarttrial.org



www.tinyurl.com/ROAMtrial

Details: RCT comparing radiation vs. observation after surgical resection of atypical meningioma

Inclusion: Histologically confirmed newly diagnosed solitary atypical WHO grade II meningioma | Age ≥16 | Any location except optic nerve sheath | Complete resection as assessed by surgeon | Can commence radiotherapy 8-12wks post-op | WHO grade 0-2

Exclusion: Neurofibromatosis type II | Multiple meningiomas | Prior radiotherapy interfering with Rx plan | Clinical evidence of secondary malignancies (except cervical or basal cell) | Pregnancy/lactation