ASERNIP-S
Australian Safety & Efficacy Register of New Interventional Procedures - Surgical

Royal Australasian College of Surgeons

Member of International Network of Agencies for Health Technology Assessment
Australia

- Population 23 million
Adelaide, South Australia
ASERNIP-S - summary

- Royal Australasian College of Surgeons (RACS) - established 1998
- To inform surgeons, health services, governments, consumers
- Only looks at interventional procedures and devices
- Conducts Systematic Reviews, Rapid Reviews, Horizon Scanning reports, summary reports, others
- Independent agency – reports to RACS, governments
- ASERNIP-S Advisory Committee at RACS – meets 3 x year, report to, advises, evaluates work
- Website as part of RACS: http://www.surgeons.org/for-health-professionals/audits-and-surgical-research/asernip-s/
RACS – RAAS Division & ASERNIP-S

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ASERNIP-S Staffing

- Research Manager
- Team Leaders (2) – technical experts
- Senior Research Officers (3) – supervisory
- Research Officers (6)
- Consultants – various HTA
- External Economic Evaluator Group (University of Technology Sydney - CHERE)
- Information Specialist RACS Library
The mission of the Australian Safety and Efficacy Register of New Interventional Procedures - Surgical (ASERNIP-S) is to provide quality and timely assessments of new and emerging surgical technologies and techniques. Services provided include:

- Full and rapid systematic reviews, and technology overviews of the peer-reviewed literature
- The establishment and facilitation of clinical and research audits or studies
- The assessment of new and emerging techniques and technologies by horizon scanning
- Our ultimate aim is to improve the quality of healthcare through the wide dissemination of our evidence-based research to surgeons, healthcare providers and consumers, both nationally and internationally.

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ASERNIP-S
(Australian Safety and Efficacy Register of New Interventional Procedures – Surgical)

Our aim is to provide information regarding the safety, effectiveness and cost-effectiveness of new or established interventional procedures.
Current Funding

- **Commonwealth Department of Health**
  (Medical Services Advisory Committee & Medical Benefits Schedule)

- **State Departments of Health** (HPACT – Horizon Scanning)

- **Victorian Department of Health**
  (Evaluation of evidence for effective surgical procedures)

- **WHO**
  (Systematic review on needs for medical devices for older people in WPRO region)

- **SA Department of Health** – HTAG committee support

- **American College of Surgeons** (Horizon Scanning)
Royal Australasian College of Surgeons
Publications


Publications


Publications

New Emerging Techniques - Surgical

- Initiated in 1999, identifies and assesses new medical devices and procedures (horizon scanning).

- Provides rapidly completed reports on new emerging technologies with the aim of:
  - alerting policy makers and clinicians of new/emerging medical devices
  - assisting regulation and introduction of new technology
  - preventing unnecessary utilisation of unproven medical devices.

- Currently funded by Australian Departments of Health through the Health Policy Advisory Committee on Technology (HPACT).

- HPACT is one of the largest contributors to the EuroScan database. The International Information Network on New and Emerging Health Technologies (EuroScan International Network) is a collaborative network of member agencies for the exchange of information on important emerging new drugs, devices, procedures, programmes, and settings in health care. Members from Spain, Italy, Canada, France, Germany, Finland, the Netherlands, Australia, Israel, Austria, UK, Norway, Sweden and Switzerland.
New Emerging Techniques - Surgical

- HPACT Technology briefs in 2013:
  - Ophthalmic high intensity ultrasound (circular cyclo-coagulation) for glaucoma
  - Biodegradable stents
  - Cardiovascular magnetic resonance and single-photon emission computed tomography for diagnosis of coronary heart disease
  - The Margin Probe: to determine surgical margins during breast cancer tumour removal
  - Safety and efficacy of antibiotics compared with appendicectomy for treatment of uncomplicated acute appendicitis
  - Assay to identify biopsy-negative prostate cancer
  - Endoscopic pancreatic stenting for prophylaxis of pancreatic fistula after distal pancreatectomy
  - MGuard™: novel mesh-covered bare metal stent
  - Posthorax™ and Stern-E-Flex sternum support vests to prevent sternal dehiscence
New Emerging Techniques - Surgical

- Technology brief updates in 2013:
  - LINX Reflux Management System for the treatment of gastro-oesophageal reflux
  - Magnetic resonance thermometry-guided laser interstitial thermal therapy for intracranial neoplasms
  - AIGISRx® Antibacterial Envelope for preventing infection in implanted cardiac devices
  - Single-incision mini-sling system for female stress urinary incontinence
  - IRay® for wet age-related macular degeneration
  - RePneu® lung volume reduction coils for patients with advanced emphysema
  - Argus II® Retinal Prosthesis System for peripheral retinal degeneration
  - Bilateral BAHA implantation for bilateral hearing loss
  - High sensitivity troponin for the diagnosis of myocardial infarction
  - Inert liquid-to-solid gels for prostate-rectum separation
  - Microwave ablation for hepatic tumours
  - Multi-catheter interstitial brachytherapy for early stage breast cancer
Horizon Scanning for American College of Surgeons

Reports for American College of Surgeons (2013):

- Irreversible electroporation for tumour ablation
- Stapled transanal rectal resection for obstruction
- Implantable gastric stimulation devices for glycaemic control
- Extracorporeal shock wave therapy for wound healing
Consumer information and editing

- ASERNIP-S reports are written and edited for a targeted audience (health professionals, decision makers, patients).

- Plain English summaries of systematic reviews are prepared by consumer information groups:
  - surgeons
  - consumer representatives
  - research staff.

- Dissemination:
  - website
  - publications (annual report, newsletters)
  - links with consumer groups.

- Accreditation:
  - HealthInsite
  - HONcode.

- Globally:
  - Health Technology Assessment International.
International Work

- HTAi (Health Technology Assessment International)
  - Members of HTAi (since 1999), the global scientific and professional society for all those who produce, use, or encounter HTA.
  - *Professor Maddern, current Vice President HTAi*

- INAHTA (International Network of Agencies for Health Technology Assessment)
  - Members of INAHTA (since 1999), non-profit organization of agencies producing HTAs, are linked to regional or national government.
  - *Wendy Babidge current Chair INAHTA*

- WHO (World Health Organisation)
  - Needs of the elderly for medical devices in the Asia-Pacific region
  - Systematic review and survey (2012 – 2013)
Thank you!

- ASERNIP-S – contacts
  
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