INNOVATION & ENTREPRENEURSHIP IN THE NHS

A GUIDE

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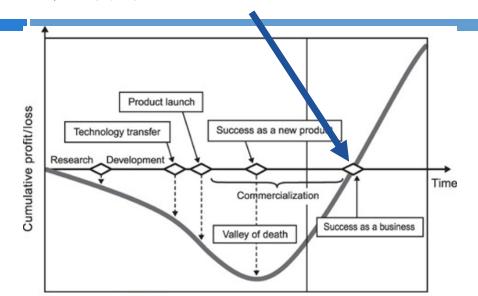
CONFLICTS

earch URL:	https://patents.google.com/?inventor=Peter+					en		
a	title				priority date		publication da	
	Regional anaesthesia injection apparatus	The Queen Eli:			02/06/14			
	Device for performing regional anesthesia	The Queen Eli:			24/04/12			
	Medical gas delivery system	Indian Ocean			24/02/16			
JS-D857541-	Security alarm	Venner Medica	Peter Jeff	rey Y	24/02/17			
JS-D841311-	Equipment box	Venner Medica	Peter Jeff	rey Y	29/07/16	27/01/17	26/02/19	26/02/19
JS-D819439-	Equipment box	Venner Medica	Peter Jeff	rey Y	29/07/16	27/01/17	05/06/18	05/06/18
JS-20163719	Detection device	Peter Jeffrey Y	Peter Jeff	rey Y	01/10/11	31/08/16	22/12/16	
NO-20170294	Safety apparatus for use in a medical procedu	Venner Medica	Peter Jeff	rey Y	16/08/15	16/08/16	23/02/17	
NO-20170061	Oropharyngeal airway	Venner Medica	Peter Jeff	rey Y	06/07/15	06/07/16	12/01/17	
NO-20162032	Medical gas flow safety system	Venner Medica	Peter Jeff	rey Y	13/06/15	13/06/16	22/12/16	
3B-2542450-/	Safety warning system	The Queen Eli:	Jeffrey Yo	oung	11/05/15	11/05/16	22/03/17	
EP-3270869-A	Transnasal tube	Peter Jeffrey Y	Peter Jeff	rey Y	17/03/15	17/03/16	24/01/18	
NO-20151592	Data routing and processing systems and met	Auxilium Ltd	Peter Jeff	rey Y	18/04/14	20/04/15	22/10/15	
3B-2570812-	A method and apparatus	The Queen Eli:	Jeffrey Yo	oung	02/06/14	02/06/14	07/08/19	
3B-2516718-	Medical guide wire	Queen Elizabe	Peter Jeff	rey Y	30/07/13	04/04/14	04/02/15	
P-201313587	Artificial airway apparatus	Internati Pater	Peter Jeff	rey Y	27/05/04	25/02/13	11/07/13	
CA-2850592-0	Detection device	Peter Jeffrey Y	Peter Jeff	rey Y	01/10/11	01/10/12	14/01/20	14/01/20
EP-2393411-A	Catheter for tracheo-bronchial suction with vis	Mario Zocca, F	Mario Zoc	cca, F	09/02/09	09/02/10	14/12/11	
NO-20091185	Sampling connector	The Queen Eli:	Peter Jeff	rey Y	25/03/08	25/03/09	01/10/09	
3B-2452776-A	Method for monitoring an airway device such	Internat Paten	Peter Jeff	rey Y	17/09/07	17/09/07	18/03/09	
CA-2658700-0	Fluid connector system	Peter Jeffrey Y	Peter Jeff	rey Y	20/07/06	19/07/07	19/04/16	19/04/16
JS-7360540-E	Endotracheal tube which permits accurate det				23/01/02	13/05/02	22/04/08	22/04/08
	A device to seal the trachea in the intubated of				28/04/97	21/04/98	20/06/01	20/06/01

Innovations from our team



17 Years



Motivation

- Do it for the journey
- □ Do it to potentially make a global difference
- □ Prepared to self-sacrifice
 - Financially
 - Time
- □ Be resilient
 - Institutional Persecution
 - Extra-Institutional Criticism

..... lots of people will like it
..... lots of people like to diss it
...... and (almost) no one will use it initially

Generating wealth is good





ACCELERATING ADOPTION AND DIFFUSION IN THE NHS



2011

The AHSN Network







NHS Innovation Accelerator









NHS Clinical Entrepreneur Programme



Innovation Pathway

Environment

Idea

Consider the Pathway (Feasibility)

Pre-clinical Prototyping Patenting (Ownership)

 ${\sf Partnering} \; / \; {\sf Engaging} \; / {\sf Funding}$

Clinical Prototyping

R&D, Ethics

Industry connections

Iterative design process

Further IP

Engage clinicians/healthcare systems

Engage patients

Pre-clinical Studies

Clinical Studies

Manufacturing

Regulatory

Quality Control

Supply

Adaptations in design

Implementation



Who Owns Your Idea?

18 Intellectual Property

You will comply with our procedures for intellectual property which are in line with 'The NHS as an Innovative Organisation, Framework and Guidance on the Management of Intellectual Property in the NHS'.





Where to go?





Support or Release

Need clarity from the outset

If not it <u>will</u> come back to haunt you

Innovation Pathway

Environment

Idea

Consider the Pathway (Feasibility)

Pre-clinical Prototyping

Patenting (Ownership)

Partnering / Engaging /Funding

Clinical Prototyping

R&D, Ethics

Industry connections

Iterative design process

Further IP

Engage clinicians/healthcare systems

Engage patients

Pre-clinical Studies

Clinical Studies

Manufacturing

Regulatory

Quality Control

Supply

Adaptations in design

Implementation

How

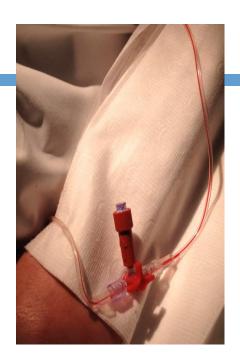
Implementation

- Be a multinational
 - Have resource and control over
 - Clinicians
 - Nurses
 - Managers
 - Procurement
 - NHS England
 - DOH
- □ Be outside the valley of death

Our Devices and the Innovation Pathway

NIC Non-injectable arterial connector

- □ Prevents
 - accidental injection
 - bacterial contamination
 - □ blood spillage





Oxy-Blade







Cost - low Availability in all locations — 15 l min⁻¹ Change of practice - minimal

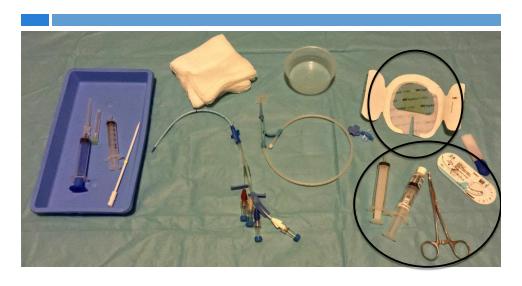
DRUGUARDIAN



WIRESAFE



Retained central line guidewires

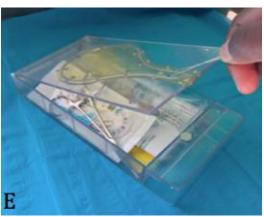


Retained central line guidewires



Retained central line guidewires

□ The guidewire unlocks the box to allow completion of the procedure



Retained central line guidewires

- $\hfill\Box$ Becomes a sharps container
 - Easy disposal
 - Sharps
 - Guidewire









Technical notes

NRLS search dates and terms

A NRLS search was undertaken on 23 November 2015 for the key words HME* and heat_moisture_exchange*. In total, 518 incidents were identified and all were reviewed.

It was found that 76 incidents had been reported in which a HME had accidentally been left attached to a 'wet circuit' and these reports were further analysed.

HUMIDICARE





GlucoSave



NGT

Office de la Prop Intellectuelle du Canada

CA 2977895 A1 2016/09/22 (21) **2 977 895**

(12) DEMANDE DE BREVET CANADIEN CANADIAN PATENT APPLICATION

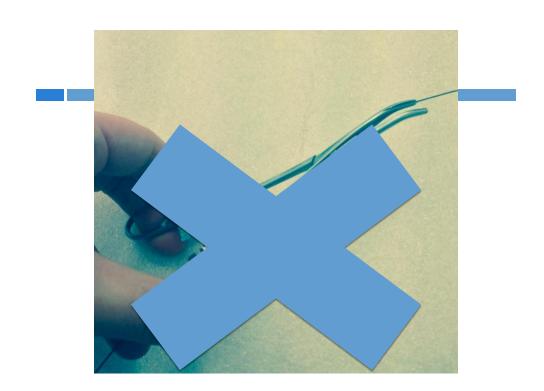
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(51) Cl.Int./Int.Cl. A61J 15/00 (2006.01), A61M 25/02 (2006.01) (71) Demandeur/Applicant: YOUNG, PETER J., GB

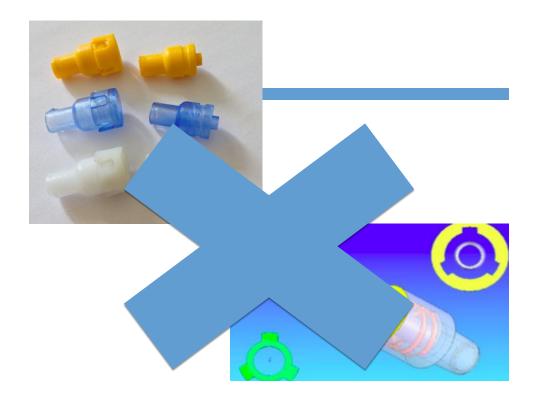
(72) Inventeur/inventor: YOUNG, PETER J., GB (74) Agent: FASKEN MARTINEAU DUMOULIN LLP

(54) Titre: TUBE TRANSNASAL (54) Title: TRANSNASAL TUBE









Summary – Bedside Innovation

- □ Fun
- Frustrating
- □ Rewarding if you breakthrough

Increasing support and acceptance in the higher NHS

