

Day 3

Plenary:

New views on the
Management of
Parkinson's disease



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Does a specialized PD unit improve outcomes for hospitalised PD patients?

Hot topics

Rob Skelly



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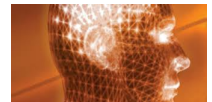
Does a specialized PD unit improve outcomes for hospitalised PD patients?

Pilot study

- **Single centre pilot study, 1,100 bed hospital**
- **Use of electronic drug prescription and administration system (iSOFT) to collect accurately timed drug data**

Outcome measured

- **Omitted medication**
- **Medication given on time (30 mins)**
- **Length of stay**
- **Patient experience**



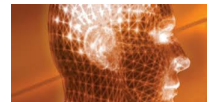
Medication outcomes

Medication Outcomes	General Ward		SPDU	
	abs	rel	abs	rel
Doses given (n=4579)				
given	1660	77%	2080	86%
omitted	437	20%	329	14%
not known or recorded	72	3%	1	0%
Doses given on time (n=3494)				
early	147	10%	217	10%
on time	710	49%	1324	64%
late	563	39%	533	26%
Doses of wrong medication (n=9906)	32	2%	0	0%



Overall results

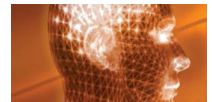
- **Care on a specialised PD unit**
- Reduced the omission of PD medication
- Improved the amount of PD medication given on time
- Was more highly rated by patients and carers
- Was linked to shorter length of stay
- **If generalisable and reproduced this approach could lead to improved care and cost savings**
- **A randomised trial should be undertaken ...**
- **... that also includes an economic evaluation**



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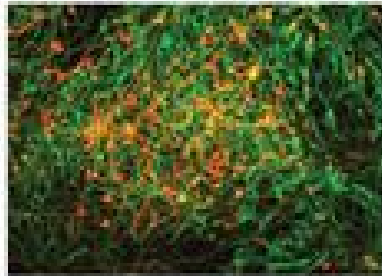
Management of Parkinson's Disease

- ❖ Lecture given by Roger Barker
- ❖ Trans Neuro Project
- ❖ Project to rescue the brain from the pathology of Parkinson's
- ❖ Funded by the EU
- ❖ Cell transplant to replace or maintain patients present level of the disease



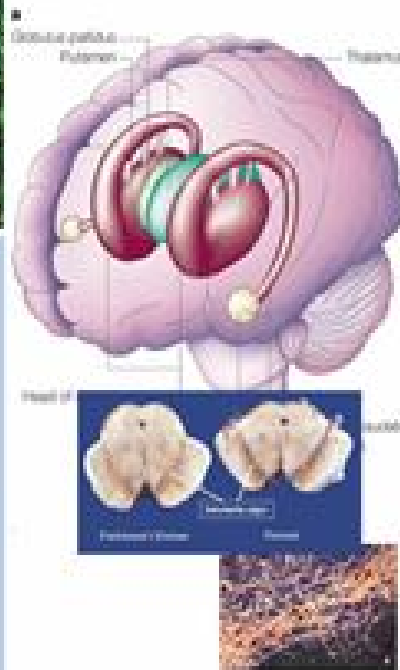
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What are these therapies?



CELLS;
(A) To replace the lost nigral dopaminergic neurons
FETAL VENTRAL MESENCEPHALON;
Adrenal Medulla;
Superior cervical ganglion;
Carotid body;
Retinal Pigmentary Epithelial cells
(Gross et al Lancet Neurol. 2011);
STEM CELLS

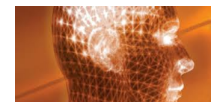
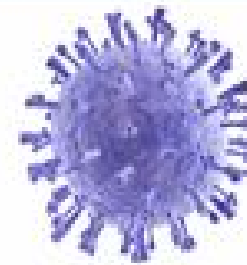
(B) To restore dysfunctional circuits;
GABAergic interneurons (Martinez-Cadena et al 2010)



GENES;
(A) To replace the lost nigral dopaminergic input
PROSAVIN[®];
AADC gene therapy;

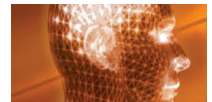
(B) To restore the lost dopaminergic input;
GDNF/Neurturin

(C) To restore dysfunctional circuits;
GAD gene therapy (LaWitt et al Lancet Neurol. 2011)



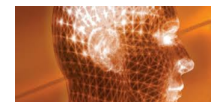
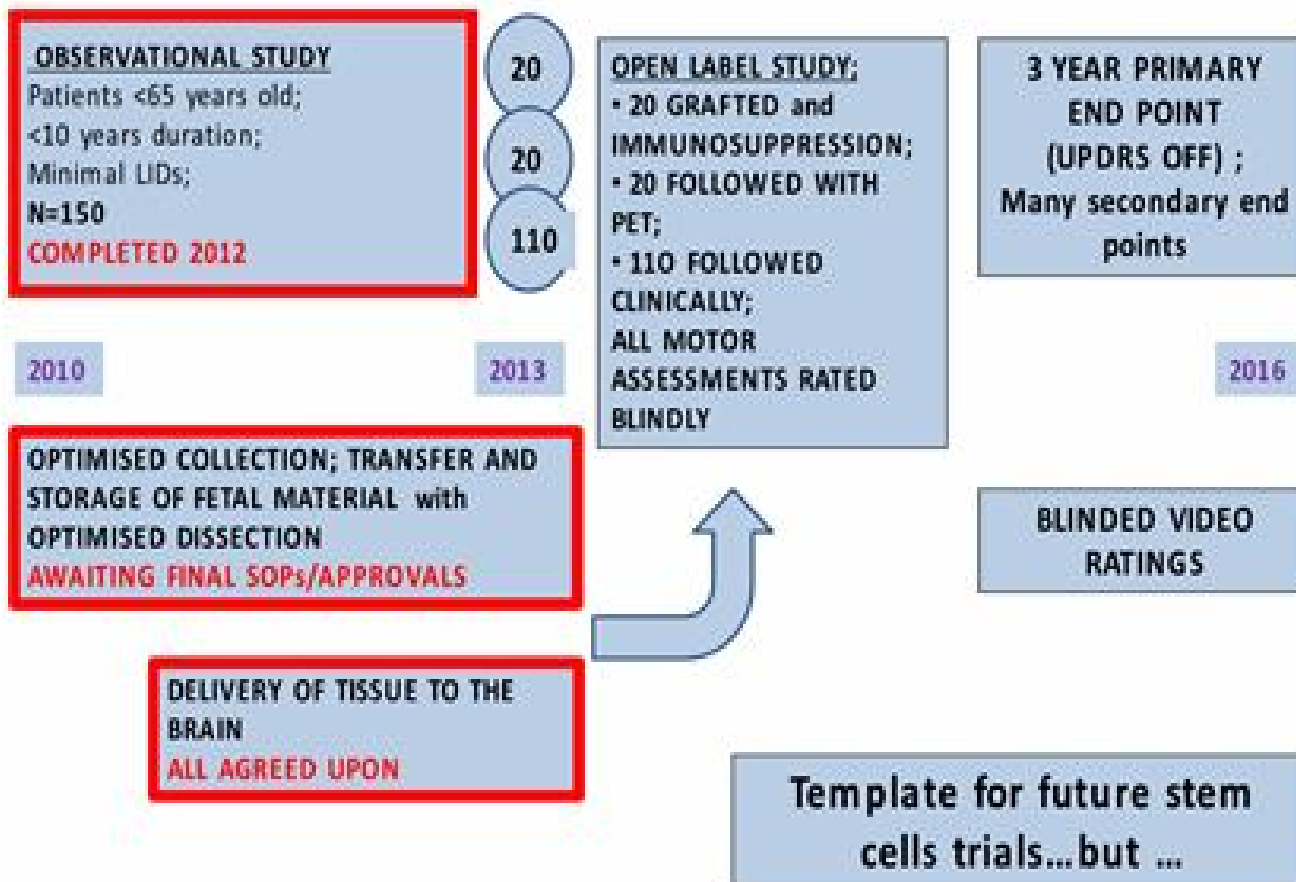
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- ❖ Follow up from American Study
- ❖ Stricter criteria
- ❖ Patient to be under the age of 60
- ❖ Criteria also applied to length of diagnosis and time on L-dopa
- ❖ Double blind control trial
- ❖ Raises ethical question re stem cells



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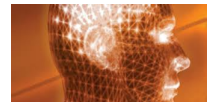
TRANSEURO TRIAL WITH FETAL VM TISSUE FOR PD



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Neuro Protection and Disease Modification

- ❖ Highly scientific regarding gene mutations
- ❖ Sonic the Hedgehog!!
- ❖ Stem cell based therapy
- ❖ Embryonic stem cell
- ❖ Give great confidence in relation to the level of expertise and knowledge by professionals carrying out research on our behalf



a professional Musical....

.....at a conference?

Yes!.... *



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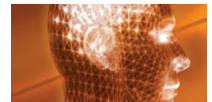
The Alan Parkinson's Project

**A Musical describing a journalists slide into Parkinson's
Loosely based on story of the actual play writer and his
partner, a theatrical producer**

**Only 6 performers; including two amazing sound
technicians***

Complete rollercoaster of a show

**Brilliantly performed, hard hitting; no secrets therefore
pretty harrowing**

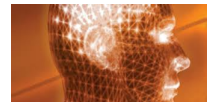


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[http://www.worldpdcongress.org/?page=WPCintheNews*](http://www.worldpdcongress.org/?page=WPCintheNews)

***Arts world take on Parkinson's:
Talented Calgarians touched by
disease join dancers, patients and
scientists at global meeting in
Montreal*** by Stephen Hunt, Calgary
Herald (Oct. 2, 2013):

<http://bit.ly/AlanParkinsonProject>



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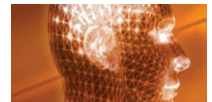
Compulsory viewing?!

... I wish! Sometimes when one encounters attitudes to the condition I would love to be able to give someone a ticket to go and see this

Why? * Ability to convey indescribable situations through drama and theatrical devices*^a

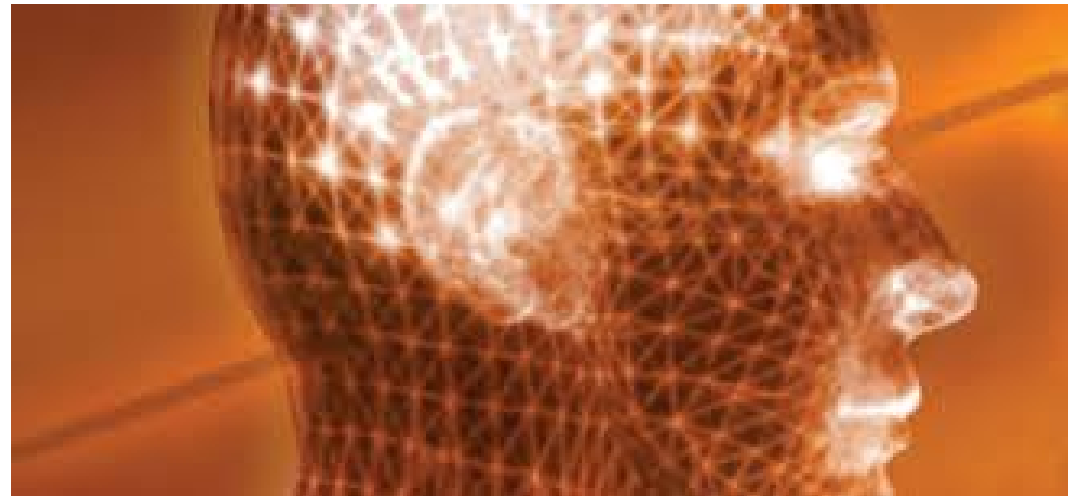
Maybe bring it here to the Edinburgh Festival somehow?!?*^b

Watch this space



The astronauts secret

Film - documentary



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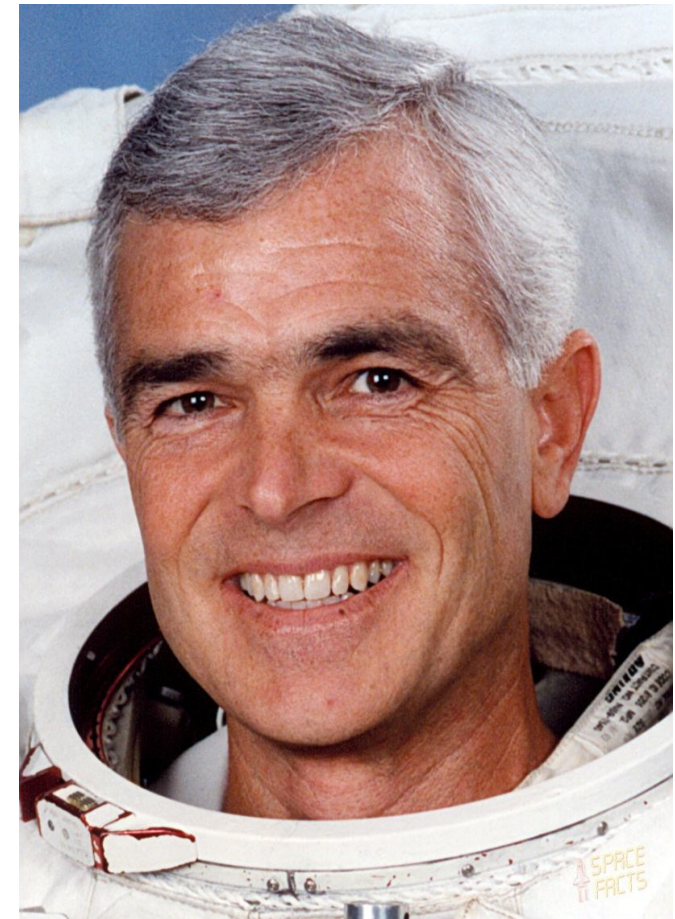
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The story

When Rich Clifford was diagnosed with PD he had already completed two successful missions for NASA as a mission specialist, STS-53 and STS-59, and was at the peak of his career.

After his diagnosis, Rich persisted and with the help of his family and the doctors at NASA he was able to keep his diagnosis a secret. He was subsequently assigned to STS-76, where he performed a flawless 6-hour spacewalk. His spacewalk was the first American spacewalk on the Russian-MIR Space Station.

For 18 years after his final mission Rich continued to keep his Parkinson's a secret until his tremors worsened and became visible. Finally in 2011, Rich decided to go public about his disease and reveal to the world that he flew in space with Parkinson's.

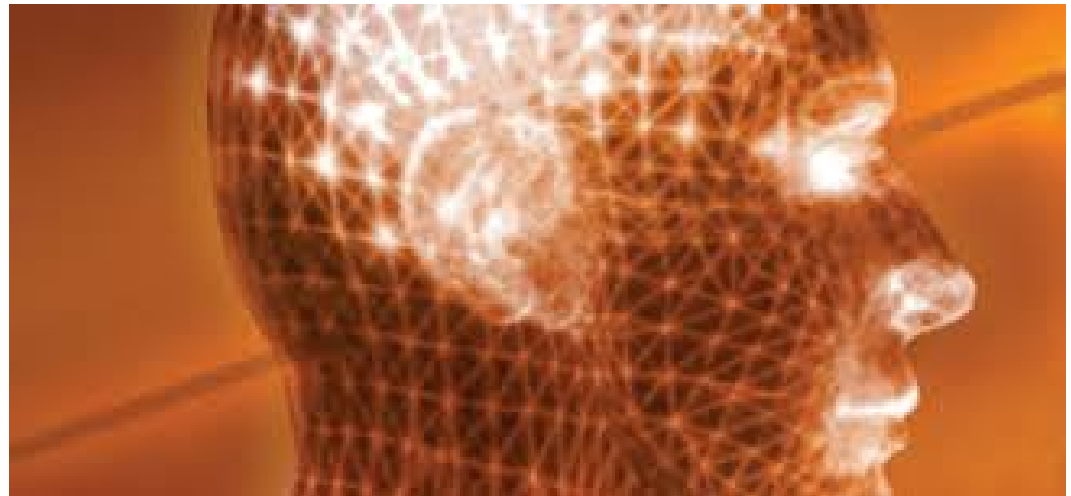


<http://theastronautssecret.com/>



CAPTURING GRACE

A film by
Dave Iverson
(a WPC
ambassador)



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Acknowledgement

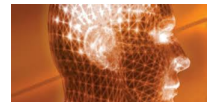
We are incredibly grateful for having been offered this opportunity to experience the biggest, most exciting and thrilling congress on Parkinson's disease and represent the Edinburgh Branch of Parkinson's UK.

Thank you all for your support.

Mo Morgan

Simon Wilkinson

Werner Remmele



See you again



2016 in
Portland,
Oregon

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