Scientific advances: integrating research and clinical practice

Dr Orod Osanlou
Consultant Physician: Clinical Pharmacology and Therapeutics, General Internal Medicine, Betsi Cadwaladr University Health Board
Senior Clinical Lecturer, Bangor University

: Orod Osanlou
: @orodosanlou
Liverpool hospital tries out new treatments on first trials on humans at NHS sites

Royal Liverpool Hospital was given permission to test new drugs and medicines on humans earlier in 2014.

By Helen Hunt
How do you think clinical trial recruitment was affected?

a) 50% fewer volunteers
b) 25% fewer volunteers
c) Same number of volunteers
Press release

**Wrexham becomes Wales’s seventh city**

Wrexham officially became a city on Thursday 1 September after a competition which was part of the Queen’s Platinum Jubilee celebrations.
Pandemic
BCUHB vaccine response
### One Wales approach to COVID-19 vaccine studies

October 2020 was a very difficult time

<table>
<thead>
<tr>
<th>Novavax in numbers</th>
<th>COV-Boost</th>
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<tbody>
<tr>
<td>8 days to set up</td>
<td>First study in the world to look at boosters</td>
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<td>200 staff on delegation log</td>
<td>&gt; 200 participants</td>
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<td>28 doctors (inc. 6 GPs)</td>
<td>Informed the UK government and world on booster policy</td>
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<td>40 nurses</td>
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<td>140 miles longest commute</td>
<td><strong>Enhanced reputation</strong></td>
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<td>202 miles furthest recruit</td>
<td>BBC/ITV TV news</td>
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<td>800 participants screened</td>
<td>BCU praise at NIHR level</td>
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<tr>
<td>400 target recruitment</td>
<td>Over-recruited to trials</td>
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<tr>
<td>490 actual recruitment</td>
<td>HCRW and PHW praise and support</td>
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<td>3,750 study attendances</td>
<td></td>
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<td>2,250 blood samples</td>
<td><strong>Legacy</strong></td>
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<td>1,200 swabs</td>
<td>Upskilled staff</td>
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<td>20,000 data queries</td>
<td>Lots of interest for further studies</td>
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<td>50,000 pages of electronic CRF QC’d</td>
<td>Success in Wales outside of the South!</td>
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<tr>
<td>Biggest study in BCUHB history</td>
<td>Springboard for a clinical research facility</td>
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North Wales Clinical Research Facility

- Launched in October 2021
- Undertaking experimental medicines in early phase clinical trials
- Serving a population of > 1 million people
- Addresses healthcare inequality
- Recruitment and retention consultants to North Wales
- Experimental Medicines Group

- Prioritising safety
- 24-7 junior doctor on call
- 3 side rooms and a bay
- Lab equipment
- Renting Wrexham borough council accommodation
- Need for increased & permanent capacity
Staff

- CRF Director
- CRF trials manager
- 3 senior research nurses
- Laboratory scientist
- Research pharmacist
- Pharmacy technician
- Governance team
- Senior Investigators
- Data and admin team
- Many other research nurses within wider team
- Two Academic Trial Fellows
MScRes Clinical Pharmacology and Experimental Therapeutics
New North Wales CRF

- Bespoke new unit
- Opening Q1 2023
- £1.6M business case
- State of the art facilities

- 24-7 junior doctor and consultant on-call
- Cardiac telemetry
- 24-7 temperature monitoring system
- Access to 3T MRI scanner

- Full resuscitation facilities
- Participant relaxation areas
- 6 bed facility
- All rooms en-suite

[Diagram of the facility layout]
Next steps

• Comms launch with new CRF
• First Phase I study
• Others Phase I/later phase in the pipeline
• www.NorthWalesCRF.com
• Further stakeholder engagement
• Academic links with Bangor University
• Political links with Welsh Government
• GMO studies
• GMSC
• Biological Safety Officer
• Non-vaccine phase I shift in focus
• Looking for next applicants for academic trial fellows!
• F2 placements
• Clinical Pharmacology HST placements in North Wales
• Joint university-BCUHB appointments
• Innovative consultant posts with dedicated PAs for research
• Opportunities for allied HCP
Potential to support other sites

- Collaborations being made with 1-2 NHS trusts in England
- Symbiotic relationship
- Happy to support other HBs without a CRF
Thank you!

www.NorthWalesCRF.com

Orod.Osanlou@wales.nhs.uk

Orod Osanlou

@orodosanlou