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The effect of TETRA radiofrequency fields on symptom reporting in police officers

Submission date
21/10/2005

Recruitment status
No longer recruiting

Registration date
12/12/2005

Overall study status
Completed

Last Edited
19/10/2010

Condition category
Injury, Occupational Diseases, Poisoning

[_] Prospectively registered
[_] Protocol
[_] Statistical analysis plan
[X] Results
[_] Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Study information

Scientific Title

Study objectives
Exposure to pulsed TETRA radiofrequency fields will be associated with higher symptom reporting than exposure to unpulsed radiofrequency fields or sham exposure.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Not provided at time of registration

Primary study design
Observational

Study design
Randomised controlled trial

Study type(s)
Prevention

Health condition(s) or problem(s) studied
Self-reported sensitivity to radiofrequency fields

Interventions
Each participant will be exposed under double-blind conditions to three exposures in a randomised order: pulsed TETRA radiofrequency fields, unpulsed radiofrequency fields, sham exposure with no fields present. Each condition will last for a maximum of 50 minutes.

Intervention Type
Other

Phase
Not Applicable

Primary outcome(s)
Self-reported symptom severity during exposure.

Key secondary outcome(s)
Comparison of the two groups in terms of general health and autonomic nervous system function.

Completion date
30/06/2008

Eligibility

Key inclusion criteria
Two samples will be tested, consisting of 'sensitive' and 'control' police officers.
1. To be eligible for the sensitive group, an officer must report having often experienced negative symptoms that they attribute to acute exposure to a TETRA radio handset.
2. Only officers who never report such symptoms will be eligible for the 'control' group
2. All participants must be over 18

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Adult

Lower age limit
18 Years

Sex
All

Key exclusion criteria
1. Pregnancy
2. Medical or psychiatric illness where current symptoms cannot be excluded
3. Current use of analgesics

Date of first enrolment
21/10/2005

Date of final enrolment
30/06/2008

Locations

Countries of recruitment
United Kingdom

England

Study participating centre
Mobile Phones Research Unit
London
United Kingdom
SE5 9PJ

Sponsor information

Organisation
UK Mobile Telecommunications and Health Research Programme

ROR
https://ror.org/05wnh3t63

Funder(s)

Funder type
Research organisation

Funder Name
The Mobile Telecommunications and Health Research (MTHR) Programme (UK)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	01/05/2011		Yes	No