Title
Percutaneous nerve agent poisoning in the guinea-pig: I.
Development of a method to measure physiological indices in freely-moving guinea-pigs
Transitioning of a percutaneous model of nerve agent poisoning from guinea-pig to swine
Environmental enrichment program for serial probe recognition (SPR) trained 'Macaca mulatta
Lethal concentration of anthrax (Development of a guinea pig model for aerosol infection)

Guinea pig model for low dose chronic exposure to nerve agent
Development of a guinea pig model for low-dose chronic exposure
to organophosphorus nerve agents

Determination of the virulence in guinea pigs of Bacillus cereus strain G9241 delivered by the aerosol route - Final summary report
Development of a microdialysis technique to investigate percutaneous absorption of nerve agent in the guinea pig
Bridging study to evaluate the marmoset as a model for anthrax infection via an aerosol exposure to the spores
The impact of delayed therapy, without pretreatment, on outcome following acute sarin challenge in the guinea-pig.
Skin absorption kinetics of VX
The aerosol challenge: Animal models for testing surrogate endpoints of clinical efficacy

Correlates of Protection: The Pharmacokinetics of HI-6 DMS and the Future Oxime Therapy in the conscious guinea pig (BSC 10-23).
Report into Investigations of Rodent Repellent Materials
Determination of dose for Atropine and P2S components of the nerve agent therapy

Francisella tularensis: The bioavailability and efficacy of levofloxacin in the common marmoset. Milestone Report Task 4.6

Assessment of the effect of nerve agent on the pharmacokinetics and pharmacodynamics of medical countermeasures
The effects of repeated low-dose sarin exposure
Vital Signs Monitoring
Delta activity as an indicator for Soman-induced brain damage: A review
The pharmacokinetics and pharmacodynamics of nerve agents and medical countermeasures
Remote telemetric studies of rats following phosgene exposure and treatment with nitric oxide
In vivo activity of doxycycline and ciprofloxacin against a range of candidate bacterial and rickettsial BW agents
Improved animal models for BW agent vaccine evaluation
Review of ricin antitoxin (ovine) non-clinical research and development
An assessment of the ability of phosphoantigen IPH1201 to induce clearance against aerosol infection with Burkholderia following antibiotic therapy in the marmoset
Heterologous prime-boost immunisation regimens against infectious diseases

Detection and measurement of sulfur mustard (HD) offgassing from the weanling pig following exposure to saturated HD vapor
Determination of the immunogenicity and efficacy of a combination anthrax / plague DNA vaccine in a mouse model

Inhalation toxicity of GF vapor in rats as a function of exposure concentration and duration and its potency comparison to GB

Medical countermeasures to gamma radiation-induced tissue injury: MCCT radiation medicine panel research options

Medical Countermeasures to Nerve Agents

The Identification and Quantification of decomposition gases derived from four pig cadavers: A preliminary study

Antimicrobial therapy for Bacillus-anthrasis-induced mixed infection in (60)Co-gamma-irradiated mice

Time taken to establish immunity. Final report for Milestone M06105

Initial efficacy assessment of current off the shelf medical countermeasures to protect against exposure to a lethal inhalation challenge of a fentanyl in marmosets

Medical Countermeasures to Nerve Agents

Time taken to establish immunity Final report for Milestone M06105

Sequelae of exposure to CBR agents and other challenges

TTCP Sub element action group 45 first meeting Aberdeen proving ground MD. November 9-12, 1998

The surgical implantation of remote monitoring transponders in Balb/C mice, for the recording of core body temperature

TTCP - Minutes of the meeting of TP-12 - Chemical Toxicology

The effects of anticholinesterases on the cellular mechanisms controlling the levels of acetylcholinesterase(AChE) A collaborative study between CBD and Birmingham

ECBC low level operational toxicology program: phase 1 - inhalation toxicity of sarin vapor in rats as a function of exposure concentration and duration

ECBC Low level operational toxicology program: Phase I - Inhalation toxicity of sarin vapor in rats as a function of exposure concentration and duration

A Review of the Involvement of Inflammatory Mediators in Models of Chemical and Biological Injury in the Lung

Defence against the Effects of Chemical Hazards: Toxicology, Diagnosis and Medical Countermeasures (Defense centre les effets des dangers chimiques : toxicologie, diagnostic et contre-mesures medicales)

Blood brain barrier permeability

The use of COTS products as adjuncts to therapies in the treatment of nerve agent poisoning

Nerve Agent Field Therapy:- Single versus Triple Therapy

The lethal concentration of B. anthracis spores

Assessment of Studies Likely to Deliver Improvements in Nerve Agent Medical Countermeasures
Remote telemetry to identify humane end-points in vaccine efficacy testing for regulatory purposes - Final report May 2004
Technical review summary progress report RO 05, medical countermeasures CW agent
Development of animal model for Orthopox viruses. Final report for milestone MNBC-02-05-001-01
Minutes of the first meeting of TP-12 - Chemical Toxicology
Antibiotic susceptibilities by broth dilution and e-test in Burkholderia mallei (glanders), and B. pseudomallei (melioidosis), and testing of in vivo antibiotic efficacy with a B. mallei inhalational model in mice
Evaluation of Bioscavenger Therapy against Percutaneous NA Poisoning.
Antibodies for pre-treatment and post-exposure therapy of botulinum toxin
The F1-V fusion protein: A new recombinant vaccine candidate for plague

Operational medical issues in chemical and biological defence.
Papers presented at the RTO Human Factors and Medicine Panel (HFM) symposium held in Estoril, Portugal, 14-17 May 2001
A murine model of genetic and environmental neurotoxicant action
Chemical and Biological Defence Group, Technical Panel 4 Medical countermeasures against BW agents, minutes of the meeting held at Defence Research Establishment Suffield, Medicine Hat, Canada, 18-20 March 1997
COTS pharmaceutical options for the pre-hospital management of civilian nerve agent casualties.
The role of inflammatory mediators in mustard injury: final report
Microencapsulation of a sub-unit vaccine for anthrax
Efficacy of ricin vaccines - I
Determination of the immune correlates of protection in tularemia infection - summary report
Candidate Antibody Molecules for Therapy of VEEV and Filoviruses
Protective efficacy of Botulinum toxin F sub-unit vaccine
Brucella vaccine - Summary report
Vaccines, Passive Immune approaches and treatment The Technical Cooperation Program (TTCP) Technical Panel 4, Biological Defence Technology
Enhancement of vaccine efficacy using CpG-decorated microparticles
Interferons and alphavirus pathogenesis
Future Oxime Assessment Phase Annual Report 2012-2013

Cytokines for use as generic medical countermeasures against biological warfare agents. Final report for TG2 Item 5.1/006/1
Submarine Exposure Limit Review: Vanadium
The Technical Cooperation Programme subcommittee on non-atomic research and development. CBD group, technical panel 4.

Medical countermeasures against BW agents. Vaccines, passive immune approaches and treatment - Position paper

Mitochondrial activity in systemic inflammatory response syndrome and multiple organ failure

Blood brain barrier permeability - Summary report

Treatment of Phosgene Poisoning with Nitric Oxide Milestone Technical Report M96401 (ARP27b)


Evaluating the use of orthopoxvirus sub-units as smallpox vacccines - summary report

The effects of Anticholinesterases the effects of antivholinestarases on the cellular mechanisms controlling the levels of acetylcholinesterase (AChE) A collaborative study between Birmingham University and CBD (MAY 1996- APRIL 1999) FINAL REPORT

Prime-boost immunisation regimen - project no: 581569 0015

Chemical and Biological Group Technical Panel 4 Medical countermeasures against BW agents: minutes of the meeting held at Defence Research Establishment Suffield, Medicine Hat, Canada, 18-20 March 1997

Production and Assessment of Western Equine Encephalitis Virus DNA Vaccines. SiRNA antivirals - Final summary report

Percutaneous Absorption of NTAs

Interim Project Report Development of surrogate marker assays to characterise an immune response that correlates to protection against Tularemia

Evaluating the use of orthopoxvirus subunit vaccines - final report

The long term neurotoxicity of anticholiinestarases

Retrospective identification of ricin in animal tissues following administration by pulmonary and oral routes

Proceedings of the workshop on assessment, prophylaxis and treatment of radiation injury in nuclear environments Ottawa, Canada, 6-8 May 1996

Medicval countererrmeasures against BW Agents

Assessment of neutralising activity of colostrum-derived, polyclonal, bovine antibodies: Use of the J774A.1 anthrax lethal toxin cytotoxicity assay

Live vaccine vectors
Development of surrogate marker assays to characterise an immune response that correlates to protection against Tularemia

Diversity, Replication, Pathogenicity and Cell Biology of Crimean Congo Hemorrhagic Fever Virus

The long term neurotoxicity of anticholinesterases

Efficacy of laser debridement with autologous split-thickness skin grafting in promoting improved wound healing of deep cutaneous sulfur mustard burns

Orally delivered multivalent bacterial vaccine

Dietary supplementation with beta-glucans to enhance innate resistance to biological agents

Dermal toxicity evaluation of neutralized chemical agent identification sets (CAIS) with an overview of the dermal toxicity of vesicant agents and their degradation products

Immune correlates of protection - final report

Customer Information - Evaluation of Trovafloxacin, Grepafloxacin and Azithromycin as replacements for BATS

ANNUAL REPORT TO CONGRESS Federally Sponsored Research on Persian Gulf Veterans' Illnesses for 1997

APPENDICES

Identification of Common Points of Intervention for Lung Damaging Agents II

Evaluating the use of Orthopoxvirus sub-units as Smallpox vaccines

Protective Efficacy of Botulinum Toxin F sub-unit vaccine Final Report for Milestone M96102

The Role of Inflammatory Mediators in Mustard Injury

Assessment of the utility of SEB antitoxin as a medical countermeasure

Common virulence mechanisms as generic targets for bacterial vaccines and therapy

Combat casualty care in ground-based tactical situations: trauma technology and emergency medical procedures

Evaluating the use of Orthopox Subunit Vaccines

Lung Damaging Agent and Vesicant Research

Review of the application of antibodies in nerve agent defence

Mechanisms of aerostability of bacterial BW agents - Final report

Evaluating the use of Orthopoxvirus Subunit Vaccines

Radiation Bioeffects and Countermeasures

First Report on the Management of Casualties from Inhalation of Toxic Industrial Chemicals

Management of penetrating brain injury

The Use of Microalbuminuria (MAU) as an Early Predictor of Acute Respiratory Distress Syndrome (ARDS)

Comparison of non-human primate and human whole blood tissue gene expression profiles

Enhancement of vaccine antigen expression in salmonella aroA: final report for TG2

A review of medical countermeasures for treating eye effects of nerve agents

The use of synthetic vascular grafts in experimental contaminated wounds

Treatment for CW vesicant injury part 1: Lucilia sericata larvae and lucilia sericata larval excretion/secretion

Non freezing cold injury - TG2 RO 6.2/904/U

Evaluation of CpG DNA as part of an antiviral therapy. Final summary report

Masking neutralisation determinants does not defeat vaccine-induced antibody

Anthrax vaccine development programme; assessment of options available for UK MoD for GUP and PEP indications
Options for the future delivery of scientific advice on submarine escape and rescue to the Ministry of Defence
The Use of Microalbuminuria (MAU) as an Early Predictor of Adult Respiratory Distress Syndrome Following Blast Injury
Histopathological changes in Yucatan minipig skin following challenge with sulphur mustard. A sequential study of the first 24 hours following challenge
Limits of Detection: Addressing the Capability Gap of Current Medical Detection Assays and Platforms
Hazard from genetically or cloaked BW viruses. Final Report
Common virulence mechanisms as generic targets for bacterial vaccines and therapy
The Technical Cooperation Program Subcommittee on Non-Atomic Military Research and Development Chemical, Biological and Radiological Defence Group - Summary Record of the Meeting of the National Representatives, 5-8 June 2001, Naval Post Graduate School, Monterey, CA
Report of a working party on "Review of alternative methods to animal research in escape & rescue
NBC/05/05/001/06 Sub-unit vaccine against smallpox - Final summary report
Treatment strategies for chemically induced lung injury
The pathophysiology of primary blast injury: final report
A Review of the Toxicity of Depleted Uranium Fragments
Aircraft Fire Safety
A review of agents with potential to enhance cold tolerance and survival
Nematode models of bacterial disease: Alternatives to Mammalian Experiments. Final Report
The treatment of Lewisite burns with laser debridement - 'Lasablation
Summary technical progress report BW agent detection systems and biological recognition elements
Molecular recognition assays for virulence: Identification of virulence factors as detection targets for Yersinia pestis
Mechanisms of SIRS in relation to military casualty
Analogues with fluorescent leaving groups for screening and selecting enzymes that efficiently hydrolyse nerve agents
Hazard levels and exposure estimates for selected chemical warfare agents at DRDC Suffield: Review of the protective efficacy of 2-PAM and HI-6 as medical countermeasures
RTO meeting proceedings: MP-062. Operational medical issues in hypo- and hyperbaric conditions
Immunosuppression : DI(ST) interim report 31st March 1997
Masking neutralisation determinants does not defeat vaccine-induced antibody
Identification of common points of intervention for lung damaging agents I: Gene expression in response to ricin exposure
Enhancement of vaccine antigen expression in Salmonella aroA
An analysis of the employment of risk management methodology to counter animal rights activism in the UK
The Use of Microalbuminuria (MAU) as an Early Predictor of Adult Respiratory Distress Syndrome following Blast Injury
Biophysics and pathophysiology of blunt trauma behind armour plates - Final report

The Technical Cooperation Program. Subcommittee on non-atomic military research and development. Minutes of the meeting of the national representatives TTCP Chemical, Biological and Radiological Defence Group held held 07-09 June, 1999 Aetaonautical and Maritime Research Laboratory Maribyrnong, Australia
Reconsideration of the effects of impulse noise
Injury Models as Backings for Personal Protective Equipment Performance Assessments
Technologies for estimating viable spores in a aerosol particle
Fracture management
NBC/05/05/001/07 Evaluation of SEB antiserum final summary report
Transport proteins for generic countermeasures
Common virulence mechanisms as generic targets for bacterial vaccines and therapy. Final report
Equipment for personal protection (AVT-097) / Personal protection: Bio-mechanical issues and associated physio-pathological risks (HFM-102)
Combat Casualty Care Research Programme Annual Review 2007-2008 (Milestone: MHC-06-01-03-001-2B)
Combat Casualty Care Research Programme Annual Review 2007-2008 (Milestone: MHC-06-01-03-001-2B)
Development of improved design tools for integrated blast and ballistic protection
Bacterial DNA as a generic medical countermeasure
RR6: Medical countermeasures to biological agents
Development of a Vaccine Against Ricin Toxin
Assessment of studies likely to deliver opportunities to develop more 'generic' MedCM capabilities against CW and BW threat agents
Immediate burn management and protection. Final report
In vivo activity of doxycycline and ciprofloxacin against a range of candidate bacterial and rickettsial BW agents
DI (ST) Interim Report - 31 March 1997; Immunosuppression
Molecular Mimicry for Antimicrobial Therapy - Final Report
Haemostatic dressing for the management of military wounds (Final Report)
Safe to escape curve animal studies, August 1993 - February 1997
Molecular Mimicry for Antimicrobial Therapy - Final Report
DEC (CBRN) review summary progress report RO 05: Medical countermeasures to biological agents agents
Impact Head Injury: Responses, Mechanisms, Tolerance, Treatment and Countermeasures
Department of Defense Nuclear/Biological/Chemical (NBC) Defencse Annual report to Congress
Development of in-vitro models for BW agents. Final report

Protecting against the terrorist use of ricin - detection of ricin variants and the utility of the UK MoD ricin antitoxin for civilian use
Biophysics and pathophysiology of blunt trauma behind armour plates - Final report
A Framework for Assessing the Health Hazard Posed by Bioaerosols
Molecular mimicry for antimicrobial therapy - final report
Systemic inflammatory response syndrome (SIRS) - proposed experimental programme
Pulmonary deposition of aerosolised Bacillus subtilis var Globigii (BG) in an awake, unrestrained swine model

Entity 17 escape and rescue - 50% DCS risk and efficacy of oxygen; use of historical data for prediction of DCS in sub-saturated escape
A novel method for control of fatal, incompressible haemorrhage - milestone summary customer report

Production and evaluation of SEB antitoxin - Summary report
Wounds of Conflict

Debridement of mustard induced skin lesions. Part 2. Evaluation of the Compound W; Santyl Collagenase; and a hydrosurgery device.
Immune response to cryo-preserved blood and other transfusion fluids
Hazard from genetically modified or "cloaked" BW viruses: summary report
Development of in vitro for BW agents. Final report
TG" 6.1/008/T Fracture management
Science and technology for army after next. Summary digest
Sample preparation and identification of biological, chemical and mid-spectrum agents
Submarine life support - Final technical report on contract UWE/N04511
Immune system models and artificial immune systems
Efficacy of NN1731 and recombinant activated Factor VII in a model of severe incompressible haemorrhage
Interactions Between the Cholinergic System and Immune Response
Proposal for ARP 10 Research Entity NBC_03_05_002 Pre and Post-Exposure Therapies for BW Agents
Combat Casualty Care Research Programme Annual Review 2008-2009 (Milestone: MHC-06-01-03-001-2C)
Combat Casualty Care Research Programme Annual Review 2008-2009 (Milestone: MHC-06-01-Q3-0Q1-2C)
The effect of ocular aberrations on retinal laser damage thresholds in the human eye
Chemical warfare agent-anaesthetic interactions in domestic swine

Conservative management of a small fragment injury to bone
Rational design of therapeutic and diagnostic against botulinum neurotoxin
The safety assessment of Radio Frequency Directed Energy Weapons (RF-DEW)
Magno-anaesthesia
Antivirals: evaluation of authentic human buffy coat interferon for activity in hamster cells against Venezuelan equine encephalitis viruses and flaviviruses. Interim Report
Virtual In-Body Modelling project - Final Summary Report 2014
Immediate burn management and protection - summary report
A Review of the Research and Development of the UK Plague Vaccine

Assessment of an African lineage of Bacillus anthracis

Immunisation against BW agents Milestone Report M76102

FINAL TECHNICAL REPORT - Platelet mitochondrial dysfunction as an early marker of systemic inflammation

The measurement of the dielectric properties of Mammalian tissue In-Vivo up to 20.05 GHz

Storage of seed stocks of the protective antigen (PA) from anthrax

Ionizing radiation injury

Pre and post exposure therapies for BW agents

Therapy and management strategies for lung injury induced by chemical incidents

Real-Time Physiological and Psycho-Physiological Status Monitoring

Thoracic Response to Undefeated Body Armour

Smallpox: Is the department of defense prepared?

Hypertonic saline dextran (HSD) in a complex military injury - a preclinical study

Immune response to cryo preserved blood and other transfusion fluids

A Pharmaceutical Combination Treatment for Cutaneous Sulfur Mustard Injuries

Management of colonic perforations

Directed Morphogenesis of smallpox vaccine for enhanced immunogenicity & decreased side-effects - Final summary report

Vulnerability of susceptible groups to the Attenuating Energy Projectile (AEP) and TASER less-lethal systems

Guidance on the radio frequency safety assessment of Radio Frequency Directed Energy Weapons (RF-DEW)

Penetration of Combinations of Therapeutic drugs through Sulfur Mustard damaged Skin ex vivo.

Primary Blast Protection for PECOC: Part I, Modelling of a Backing for the Ballistic Plates

FINAL SUMMARY REPORT - Platelet Mitochondrial function as an early marker of a systemic inflammatory response

Botulinum toxin inhibitors

Novel hybrid resuscitation strategy is superior to prolonged hypotensive resuscitation after combined blast injury and haemorrhage

Statins as protectants of the lung epithelial barrier, decision point report

Use of synthetic vascular grafts in experimental contaminated wounds

Enhancement of DNA repair in the treatment of sulphur mustard induced tissue damage - technical report

Objective assessment of the risk from Anthrax letter terrorist attacks

Progress of manned safe to escape curve trials

Statins as protectants of the lung epithelial barrier

Characterization of 3 strains of Yersinia pestis

Virulence of breccella

Review of Oxygen Toxicity and Methods for its Assessment

Identification of vaccine antigens using bioinformatics - final report

Rear effects of protection

Systemic inflammatory response syndrome (SIRS) - proposed experimental programme
ARP entity 17 escape and rescue. Surface abandonment; progress in predicting 50 percent DCS risk and efficacy of oxygen as a first-aid treatment for DCS
Generation of a gene expression cassette to enable the rapid production of DNA vaccines
Safe to escape curve for man
Final report and recommendations for any further work (on submarine life support research)
Final report on thermal barrier creams and their utility for the military customer
The medical implications of the use of vehicle mounted water cannon - an initial review

The enhancement of DNA repair in the treatment of sulphur mustard induced tissue damage - Final summary report
Current implications of mTBI for injury modelling
NATO medical surveillance and response, research and technology opportunities and options
TTCP CBD Group Technical Panel 4 annual report 30 April 1998
Research into Iso-Risk contours for escape from distressed submarines: A risk-based approach to setting priorities
The management of military fractures: final report

European Synchrotron Radiation Facility highlights 2006
Development of an Assessment Methodology for Demonstrating Usability, Technical Maturity, and Operational Benefits of Advanced Medical Technology
The military effectiveness of medium power, out-of-band, laser damage weapons
Test Methodologies for Personal Protective Equipment Against Anti-Personnel Mine Blast Recreating Stressors in Synthetic Environments

Develop and Evaluate Portable Near-Patient Non-Invasive Trace Gas Analysis System for the Early Identification of Infectious Disease
The human effects of non-lethal technologies. The final report of NATO RTO HFM-073
Proceedings of the Ninth International Simulant Workshop
Raspid induction of mucosal immunity ( BEACON II ) summary report
Chemical and biological defence
Medical screening of subjects for acceleration and positive pressure breathing
Survey of head impact models for NLW blunt impact applications
The thermophysiology of un-compensable heat stress: influence of hydration stunts, fluid replacement, aerobic training, physical fitness & heat acclimation
Survey of head impact models for NLW blunt impact applications
Pulsed RF Safety-Development of a Computer Model - Year 1 (U)
Optimizing Operational Physical Fitness Final Report of Task Group 019.
Assessment of Possible Disruptive Technologies for Defence and Security Immunisation against BW agents
Toxicology of Lewisite ( L ) and Mustard / Lewisite ( H / L ) SUMMARY REPORT
Systemic Inflammatory Response Syndrome ( SIRS ) : Final Report
The Management of Hypovolaemia in the Military Casualty
Bullets on Bone A Critical Assessment of the Current Status and Understanding of the Impact of Ballistics on the Adult Human Skeleton
Wound Infection: Innovative Methods of Drug Delivery and Final Report

Final report on thermal barrier creams and their utility for the military customer

Work Package 2 Behind Armour Trauma Rig Literature Review (Brunel)

Human Effects of Non-Lethal Technologies

Measurement of the Retro-Reflection Signatures of the Aided and Unaided Human Eye

Cervical Spinal Injury from Repeated Exposures to Sustained Acceleration

Identification of Biological Agents in Sample Unknowns by Electrochemiluminescence Immunoassay: NATO SIBCRA Exercise VII

Acoustic Model Recommendation

Development of a Lower Leg Physical Model for Enhanced Soldier Survivability against Landmines. WPN TP-1 Terminal Effects

Consequence Analytic Tools for NBC Operations Volume 3-Chemical Agent Exposure and Casualty Estimation

Low burden CB individual protective equipment, minutes of TTCP

CBD TP-11 seventh Annual Meeting 16-22 November 2000

Proceedings of the 37th DRG Seminar on Non-Lethal Weapons

Systemic inflammatory response syndrome (SIRS) - proposed experimental programme

Safe to escape curve animal studies, August 1993 - February 1997

The use of synthetic vascular grafts in experimental contaminated wounds

Interim project report. Development of surrogate marker assays to characterise an immune response that correlates to protection against Tularemia

The Use of Microalbuminurea (MAU) as an Early Predictor of Adult Respiratory Distress Syndrome Following Blast Injury

The Use of Microalbuminurea (MAU) as an Early Predictor of Adult Respiratory Distress Syndrome following Blast Injury

Systemic Inflammatory Response Syndrome (SIRS): final report

Scientific work of the researchers in the medical services of the armed forces during 1997 (in French)

Travaux scientifiques des chercheurs du service de sante des armees durant l'annee 1999

Laser Induced Acute Visual and Cognitive Incapacitation of Aircrew, Protection Management, and Cockpit Integration

Development of animal model for Orthopoxviruses

Skin Absorption Kinetics of VX, T6705 and T6606

The Potentiation of Gas/Vapour toxicity by Ultrafine Particles.

Toxins which Defeat Detection and Medical Countermeasures Systems