Infographic Design Information  
For requests to submit to DesignCrowd

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| Study information | Answer |
| Study title | Effect of Incisional Negative Pressure Wound Therapy vs Standard Wound Dressing on Deep Surgical Site Infection After Surgery for Lower Limb Fractures Associated With Major Trauma: The WHIST Randomized Clinical Trial |
| Study acronym | WHIST (Wound Healing In Surgery for Trauma) |
| Headline | Do ‘vacuum’ dressings reduce infection after major trauma fracture surgery? |
| Study summary | Adults with closed lower-limb fractures in the context of major trauma were randomised at 24 UK hospitals to negative pressure ‘vacuum’ dressings or standard dressings. At 30 and 90 days, deep infection rates were similar, and no difference in disability, quality of life, or pain was found. |
| Key messages/findings | • 1,548 adults randomised across 24 UK trauma hospitals  • No reduction in deep infection: 5.8% (NPWT) vs 6.7% (standard) at 30 days. • No difference at final follow up (6 months) in infection, disability, quality of life, scar healing, or pain. |
| Eligibility criteria (if relevant) | Inclusion Criteria: Adults ≥16 years old; major trauma with lower-limb fracture requiring surgery; wound closed primarily after operation; presented within 72 hours.  Excluded: patients unable to adhere or open fractures not closable at first surgery. |
| Study details (if relevant) | Design: Multicentre RCT; Sites: 24 UK trauma hospitals; Participants: 1,548 adults; Recruitment: July 2016 – April 2018; Follow-up: December 2018; Trial registration: ISRCTN12702354. |
| Target audience | Trauma and orthopaedic surgeons, plastic surgeons, infection prevention staff, patients and the public. |
| Contact information | Prof. Matthew Costa, University of Oxford – matthew.costa@ndorms.ox.ac.uk |
| Sponsor name | University of Oxford |
| Funder | NIHR Health Technology Assessment Programme (project 14/199/14); supported by NIHR Oxford Biomedical Research Centre; Smith & Nephew supplied dressings. |

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| Design information/branding | Answer |
| Preferred colour scheme? | Oxford blue with NIHR red/navy highlights (Oxford & NIHR branding). |
| Style and design preferences | Clean, clinical, bold; use icons to show patients, hospitals, and comparison of dressings; clear result panel showing ‘no difference’. |

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| Additional notes for designer | Answer |
| Any other details to include in brief which is sent to designers | Include trial logo, Oxford Trauma & Emergency Care, NDORMS, NIHR, University of Oxford, and Sponsor logos. Show recruitment numbers, key finding (no difference in infection). Add QR/link to whist.octru.ox.ac.uk. |