

# Study of the effect of platelet rich plasma (PRP) on the healing of skin grafts placed on radial forearm donor sites in patients being treated for head and neck cancer

<b>Submission date</b> 30/09/2005	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 30/09/2005	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 12/02/2018	<b>Condition category</b> Cancer	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

## Plain English summary of protocol

Not provided at time of registration

## Contact information

### Type(s)

Scientific

### Contact name

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### Contact details

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## Additional identifiers

### Protocol serial number

N0013146160

# Study information

## Scientific Title

Study of the effect of platelet rich plasma (PRP) on the healing of skin grafts placed on radial forearm donor sites in patients being treated for head and neck cancer

## Study objectives

To see if a concentrated preparation of growth factors found in your blood cells speeds up the healing of a skin graft placed at the site a skin flap has been raised from your forearm.

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

Not provided at time of registration

## Study design

Randomised open label controlled parallel group trial

## Primary study design

Interventional

## Study type(s)

Treatment

## Health condition(s) or problem(s) studied

Head and neck cancers

## Interventions

A Randomised Controlled Trial. New patients will be recruited from the head and neck clinic who present requiring surgical treatment of their oral cancer involving reconstruction with a skin only radial forearm flap. These patients will be randomised to a treatment group and a control group. Treatment group PRP applied to donor site before skin graft is sutured using standard protocol. Control group no PRP applied. It is not necessary to blind either the patients or the investigators to the treatment.

Follow-up standardised digital clinical photographs, from fixed distance with a grid, will be taken of the skin graft at 5 set post operative intervals. These will be evaluated by 2 independent clinicians blinded to the treatment groups. The primary end point is complete graft failure. The secondary end point is the degree of graft failure as a percentage of the whole flap. All patients will be monitored as per standard head and neck protocol until all wounds have healed.

## Intervention Type

Procedure/Surgery

## Primary outcome(s)

1. Rate of healing of the skin grafts
2. Reduction of skin graft failures

## Key secondary outcome(s))

Not provided at time of registration

**Completion date**

02/01/2006

## Eligibility

**Key inclusion criteria**

New patients attending the Head and Neck Oncology clinic at Guy's Hospital with a cancer requiring surgical excision and reconstruction with a skin only radial forearm flap

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Not Specified

**Sex**

Not Specified

**Key exclusion criteria**

Does not meet inclusion criteria

**Date of first enrolment**

02/01/2004

**Date of final enrolment**

02/01/2006

## Locations

**Countries of recruitment**

United Kingdom

England

**Study participating centre**

Guy's Hospital

London

United Kingdom

SE1 9RT

## Sponsor information

**Organisation**  
Department of Health

## Funder(s)

**Funder type**  
Government

**Funder Name**  
Guy's and St. Thomas' NHS Foundation Trust (UK)

**Funder Name**  
Own account

**Funder Name**  
NHS R&D Support Funding

## 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?
<a href="#">Participant information sheet</a>	Participant information sheet	11/11/2025	11/11/2025	No	Yes