

TRANSFUSION OF HUMAN BLOOD

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649434572

Transfusion of Human Blood by J. Roussel

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd.
Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

J. ROUSSEL

TRANSFUSION OF HUMAN BLOOD

TRANSFUSION

OF

HUMAN BLOOD

BY THE METHOD OF

J. ROUSSEL (OF GENEVA)

DOCTOR OF THE FACULTY OF MEDICINE OF PARIS,
KNEIGHT OF THE ORDER OF
ST. WILHELM OF BAVARIA, FRANK-JURIST OF AUSTRIA,
KNIGHT OF ENGLAND

WITH A PREFACE BY

SIR JAMES PAGET, BART., F.R.S.

CHIEF SURGEON TO THE QUEEN

TRANSLATED FROM THE FRENCH AND GERMAN BY

C. H. C. GUINNESS, B.A.

LATE SCHOLAR OF NEW COLLEGE, OXFORD



LONDON

J. & A. CHURCHILL, NEW BURLINGTON STREET

1877

160. f. 64.

"Natura non nisi parendo vincitur."

BACON.

PREFACE

Dr ROUSSEL having expressed a wish that I should introduce to English readers the translation of his work on Transfusion of Blood, I venture to say that it seems to me to deserve careful study.

The apparatus which he has invented and which is here described, fulfils better than any other known to me, the conditions requisite for the transfusion of pure blood unchanged *in transitu*. With its help transfusion may safely be performed by any one competent to practise surgery.

It may be hoped that the greater facility and safety of the operation may add to its more frequent performance, in the cases of peril of death from hæmorrhage.

In these, the utility of transfusion has long

been established beyond doubt, and now one cannot but hope that it may prove very useful, in some cases of impaired and deficient blood due to disease. Certainly it deserves trial in these cases, and I cannot doubt that Dr Roussel is justified in urging its use.

As to any damage to be sustained by the person who gives blood for transfusion, no fear of this can be felt by any one who, like myself, many years ago, bled healthy people in any number without harm. To a healthy person the loss of a few ounces of blood by venesection is, I believe, absolutely harmless.

JAMES PAGET.

CONTENTS

	PAGE
Preface, by Sir James Paget	v
Introduction	1
Historical Résumé—Transfusion in Ancient Times	5
The Methods observed in Transfusing by Richard Lower (1665)	13
The Quæries and Tryals proposed by Robert Boyle (1667)	16
Transfusion in Modern Times	22
Critical Notes upon various Methods	27
Injection of Defibrinated Blood	28
Indirect or Instantaneous Transfusion,—Mathieu's Apparatus	28
Direct Transfusion through a Closed Tube-Channel	31
Arterial Transfusion of Animal Blood	33
Direct Venous-venous Transfusion	34
Boussel's Method	37
Conditions of the Transfusion	39
Employment of Water to expel the Air	40
Medicated Transfusion	40
Transfusion with Electricity	40
Temporary Ischemia	41
Depletive Bleeding	41
Preparation of the Vein of the Patient	42

	PAGE
Roussel's Transfuser (<i>illustration</i>)	44
Résumé of the Stages of the Direct Transfusion	45
Amount to be Transfused	50
Phenomena ensuing after the Transfusion	50
Transfusions in Surgical Cases	54
In Puerperal Hemorrhage (Geneva)	54
In Chronic Anæmia and Hemorrhage (St Petersburg)	57
In Surgical Chronic Anæmia (London)	59
Transfusions in Medical Cases	67
In Chronic Chloro-Anæmia (Cronstadt)	67
In Hemophilia (Paris)	70
In Pulmonary Consumption (Geneva)	74
In Melancholic Dementia (Vienna)	78
In long-standing Dementia with Anæmia (London)	82
Table of Fifty Transfusions performed by Dr. Roussel	89

TRANSFUSION

OR

HUMAN BLOOD

INTRODUCTION

TRANSFUSION of blood is a subject possessing interest for the whole body of those devoted to the art of healing, who should all be capable of performing the operation in urgent cases without hesitation. Above all, it is necessary that the operator should be enabled, without delay, to find blood to transfuse. Hence the necessity (not general in the case of surgical operations) that the public should have some notion of the subject of transfusion, since every one may be called upon, by giving a few ounces of his blood, to restore life to a brother or a friend suffering, it may be, from the cutting of an artery, which can happen by any ordinary accident.

This would more frequently occur in times of war, because few of war's victims are killed outright. The