

Patient Blood Management Guidelines: Module 5

Obstetrics and Maternity



Patient Blood Management Guidelines Module – Obstetrics and Maternity

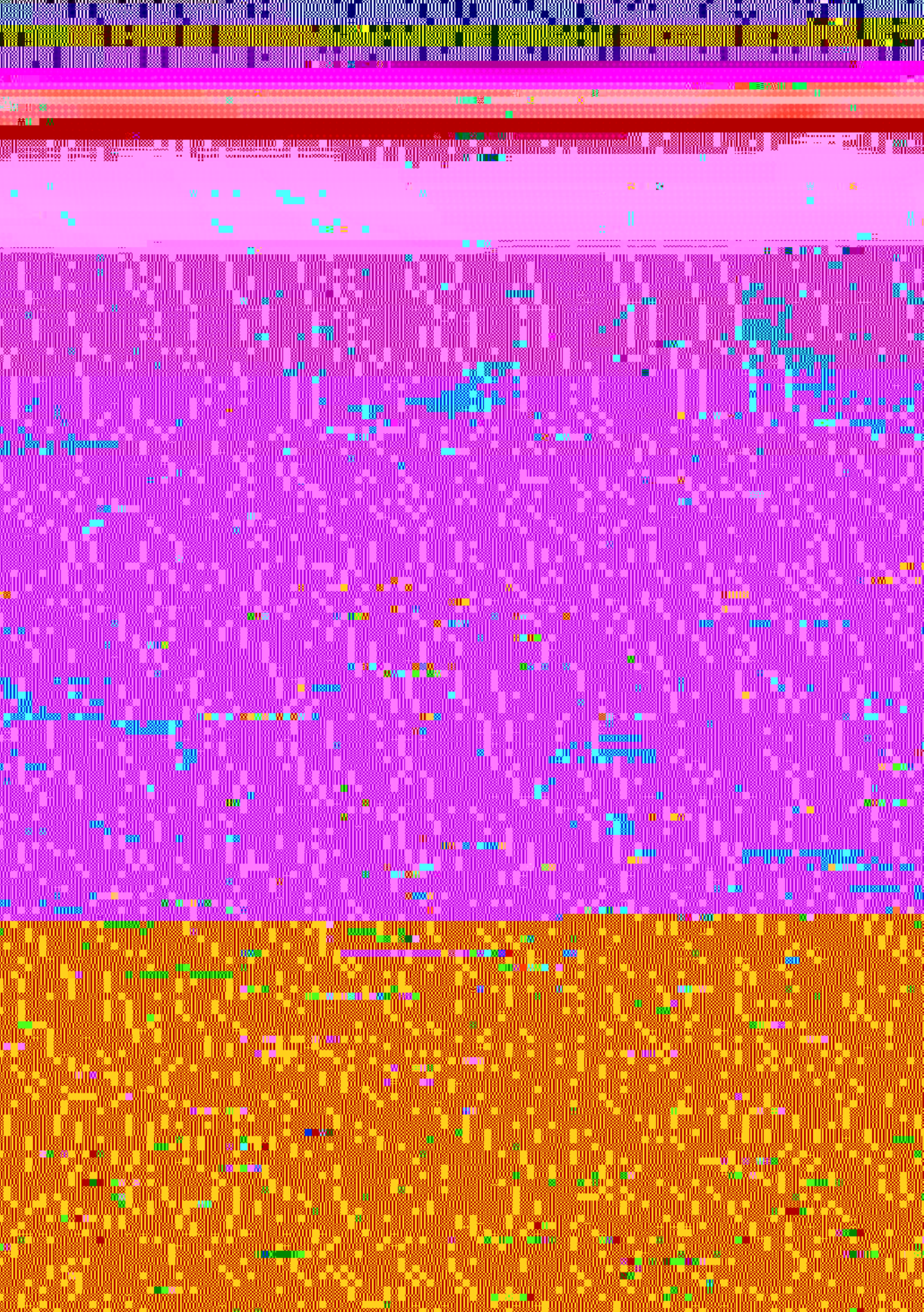
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Abbreviations and acronyms

AC	American Congress of Obstetricians and Gynecologists
AC C	American Commission on the Teaching of Civics
AC	American Counseling Association
ACEE	Association to Advance Collegiate Schools of Business International
AAC	American Accounting Association
AZB	American Zoning Book Review Society
AACE	American Association of Economic Consultants
A	American Petroleum Producers Institute
AB	American Book Review Society
CDC	Centers for Disease Control and Prevention
CC	Canadian Association of Chiefs of Police
C	Canadian Council of Ministers of the Environment
C	Canadian Council of Social Development
CA	Canadian Association of Chiefs of Police
C	Canadian Council of Ministers of the Environment
CA	Canadian Council of Social Development
C	Canadian Council of Ministers of the Environment
C	Canadian Council of Ministers of the Environment
E	Environmental Protection Agency
E	Environmental Protection Agency
E A	Environmental Protection Agency
E	Environmental Protection Agency
FBC	Financial Business Council
FF	Financial Forum
	Financial Forum
	Financial Forum
D	Department of Social Services
C	Department of Social Services
C	Department of Social Services
	Department of Social Services
	Department of Social Services
	Department of Social Services
	Department of Social Services
BC	Business Council on National Priorities

ss tr ns son prto o
 BA t on Boo A t ort
 C t on t n s r Co n
 t on t n t t r t n r s
 ot s
 ZB Z n Boo r
 B pt rt oo n rt
 B r t B n ts
 C pop t on rt r rt on o p rtor n ot o
 C port o r
 pr t port
 post p t orr
 pop t on pr tor n ot o
 pop t on r s tor n ot o
 prto ro nt
 r o n t on
 A ZC o A r n n Z n Co o r tr ns n n oo s
 BC r oo
 C r n o s ort ro tr
 C o Co o r tr ns n n oo s
 D rs rn
 rF r o n r t t t tor
 r t rs
 AE s r o s rs rt
 D r n r t on
 AC tr ns son r t r tor o o ro
 A r p t o o s A n r t on
 A tr ns son r t t n n r
 t ro o top n p r p r
 CC tr ns son r q r r t s n r r
 AB t r n t r oon
 XA tr n
 or t r n t on

Contents

Abbreviations and acronyms

Plain English summary 1

Summary of recommendations, practice points and expert opinion points

1 Introduction 1

D op rt ot n s
C n n ort s n s

? tr t r ot o rt n r t t r s
? o rt
?? t t r s

Methods

? C n r s r q s ons 1
? s on op rt s r ?
? ? B r on t r ?
?? n r s r ?
?? s t r pro ss ?
??? t r t r s r t s ?
?? n son n son rt r ?
? D op rt o n s t r s r o n t ons n pr t ports ??

Clinical guidance

rt ro t on ?
rpos n n ?
? op ?
t rt pop t on n st n ?
For t ono n s t r s ?
? E t o r oo tr ns son on o t o s ?
? n r t r nt ?
?? s s ?
? F nt on n pr or n s t s ?
? C n o rt r ?
E t o n on tr ns son rt r rt on st on r s o o n on rt r t on ?
r n or pr t r ron ?
? E rt ropo s s t n r t s ?
E t o oo o pon rt son o t o s ?
s o oo ons r t on s t r t s ?
ort o r t s n ?
? rt r op r t s ?
rt r rt on r oo ?
o n rt t t t or ?
r n ?

Cons r t ons or A or n n or s t r t s n r o n

Background questions 1

An s r s t or ?

Summary of recommendations, practice points and expert opinion points

R1		
R2		
R3		
PP9		
PP10		

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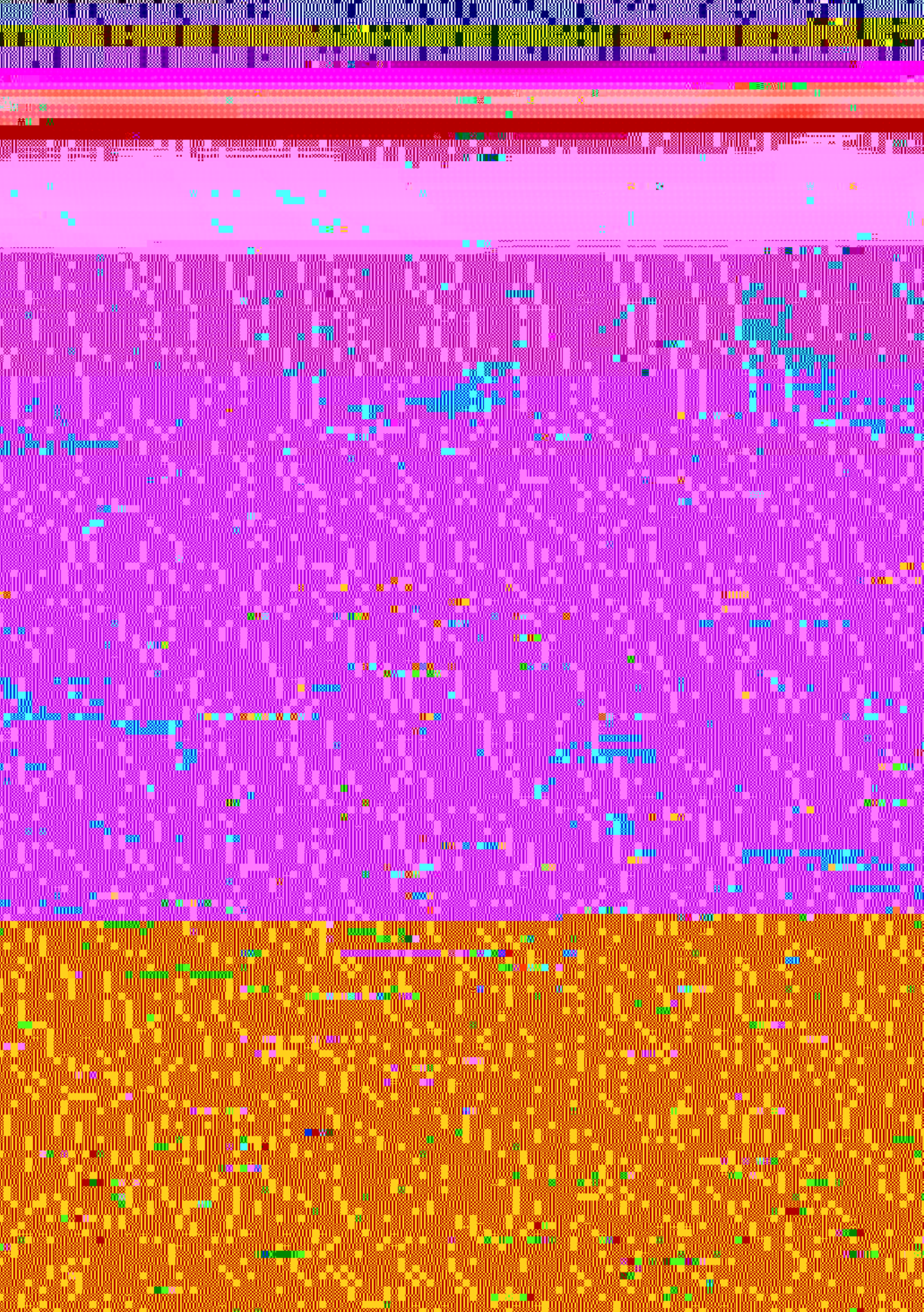
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EOP18		
PP4		
PP5		
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PP2	<p>1. The first part of the text discusses the importance of maintaining accurate records in a business context. It highlights how proper record-keeping can help in identifying trends, making informed decisions, and ensuring compliance with legal requirements.</p> <p>2. The second part of the text focuses on the challenges associated with data management, such as data security, privacy concerns, and the sheer volume of information generated. It suggests implementing robust security protocols and regular data audits to mitigate these risks.</p>	100%
PP3	<p>1. The text emphasizes the role of technology in modern business operations. It notes that digital tools and automation can significantly increase efficiency and reduce operational costs, allowing companies to focus on core business activities.</p> <p>2. However, it also points out that over-reliance on technology can lead to vulnerabilities, such as system downtime or cyberattacks. Therefore, a balanced approach that combines technology with human oversight is recommended.</p>	100%
PP15	<p>1. The document outlines the key components of a successful marketing strategy, including market research, target audience identification, and the selection of appropriate marketing channels. It stresses the need for a clear and consistent brand message.</p> <p>2. It also discusses the importance of monitoring and evaluating marketing performance through various metrics and analytics. This allows businesses to track their progress and make necessary adjustments to their strategy.</p>	100%
PP16	<p>1. The text provides a comprehensive overview of the financial aspects of a business, covering budgeting, financial reporting, and risk management. It explains how a well-defined budget can serve as a roadmap for the company's financial goals.</p> <p>2. Additionally, it highlights the importance of transparent financial reporting to stakeholders and the implementation of risk management strategies to protect the company's assets and ensure long-term sustainability.</p>	100%
PP17	<p>1. The document explores the human resources management (HRM) practices that are essential for building a strong and productive workforce. It covers recruitment, training, performance management, and employee engagement.</p> <p>2. It also discusses the impact of organizational culture on HRM and how a positive, inclusive culture can lead to higher employee morale and productivity. The text concludes with recommendations for continuous improvement in HRM practices.</p>	100%

<p> View all papers </p>		
<p>PP29</p>	<p> View paper </p>	<p> View abstract </p>
<p>PP30</p>	<p> View paper </p>	<p> View abstract </p>
<p>PP31</p>	<p> View paper </p>	<p> View abstract </p>
<p> View all papers </p>		
<p>PP32</p>	<p> View paper </p>	<p> View abstract </p>
<p>PP33</p>	<p> View paper </p>	<p> View abstract </p>
<p> View all papers </p>		
<p>PP23</p>	<p> View paper </p>	<p> View abstract </p>
<p>PP24</p>	<p> View paper </p>	<p> View abstract </p>
<p>PP25</p>	<p> View paper </p>	<p> View abstract </p>

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1 Introduction

1.1 Development of the guidelines

s o r t t r B o o n r t n s o t r s n t r n t s t t n
s r s o s o s t t o s o n n s B t r o s r t n
o o t r o r o p r t n o o r t p t r o p s r s s
t r o r t C n r t n s o n t s o B o o C o p o n r t s t o n t n
s r C o n A t r s n o t o B o o r n s s o n C A B

sonot r n s-

r n rot s o r n s

not not t o s s to opt n r s r q s o n s n t s s t
r o t t r r n o p r o n t o n s n p r t p o r t s C p r

n p r t n s t t n o t t n n n s o t s s t t r n d r
o n s r t o n s o r t t C n r o n t o n s n p r t p o r t s s p p r o p r t
C p r

r o n q s o n s C p r

r o n t o n s o r t r r t o n s C p r

n o r t o n o n p r t n t n n r t n n t n s C p r

o r t s o n s p p n s t t p r o n o r t o n o n r s p o t o r n n
o s o r n o p r t r n s s o n r s s n o r o t o o s t o r s n A s r n
Z n p r o s s r p o t n n o r t o n o n o o o p o n r t p r o t s F n t o r t
o r t n s s o r r n s

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t r s r r t o n n s o p t o o p n t s o t s t r s
o n n n n p r i t r o t BA

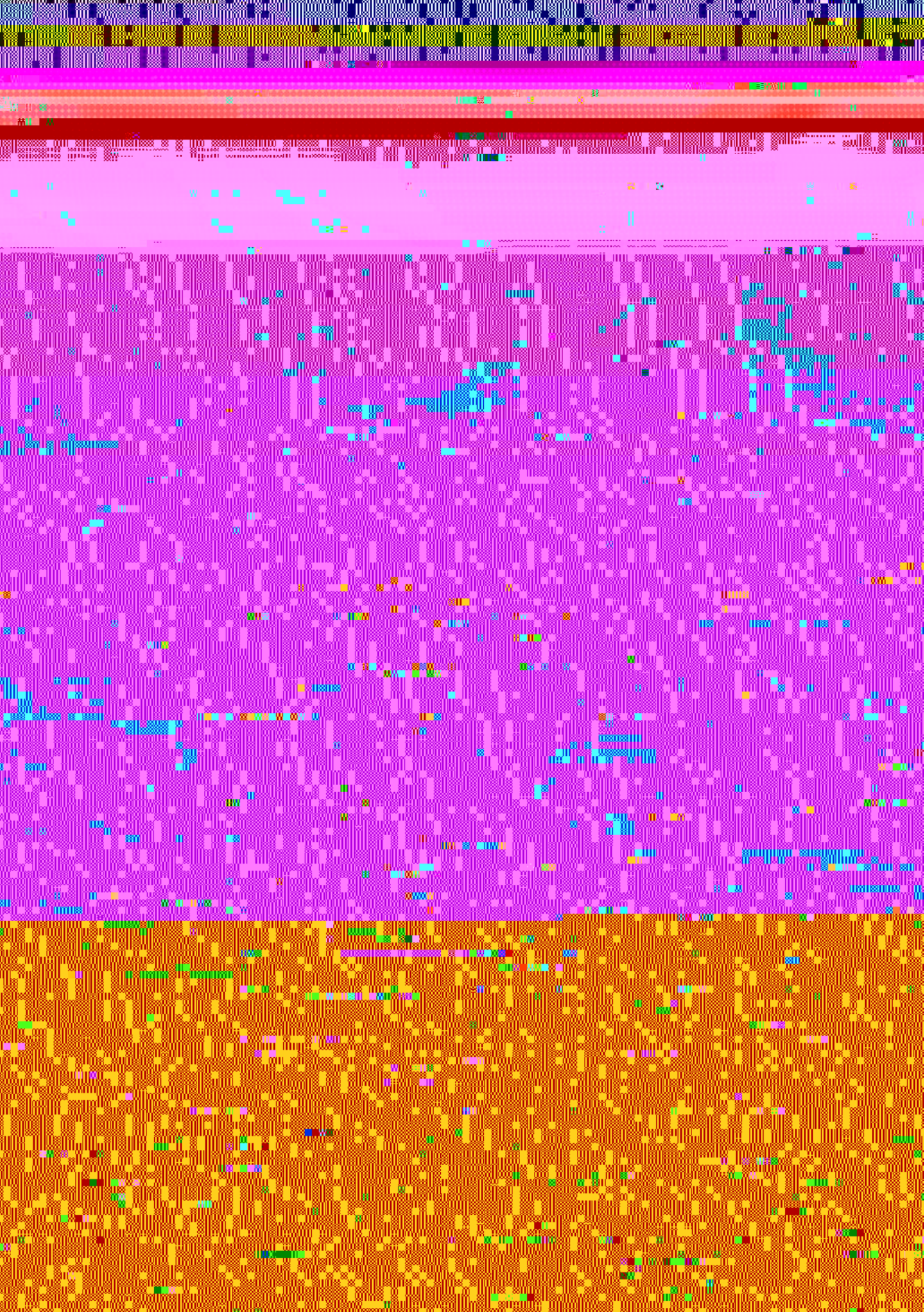
t n r p o t t t n r p n s t s o r t s s o o n n n t o o s

o -

s o o r t n s r o n n o r t o n n t r s t s o t s s t t r s p t n n
t o t n q s o n s p o s t n t s n

o ↗

s o o r t n s p p n s t t o r t t t r t r s r s s t q t p p r s



Methods

1 Clinical research questions

But in a non-randomized trial, the researchers question the possibility of reporting on the proportion of non-randomized trials that have been published.

s n n n p n r r s t o r o r r s p r n n
 o t o s t r o n t o n s s o o r t t t o n n o s s n
 n r t o n r n p r n n
 t n n n r r n t r n s s o n s p p o t o r
 t r n t s r s
 t o t r s p t o r s s o o n s r n p n
 n o r o n s s t r n s s o n p r o o
 t n n p r o t o s s t n t r o t r n t
 p t r s o r o t r n s s o n s n d n o p t o n

Review and research

t r s r n t n t o t t p t o n s r t s n q t o n s p t o B n
 t r n t s t t n n t t r n r q t o n s o n s r r r t t o t s o s t t
 r q t o n s r t n B o

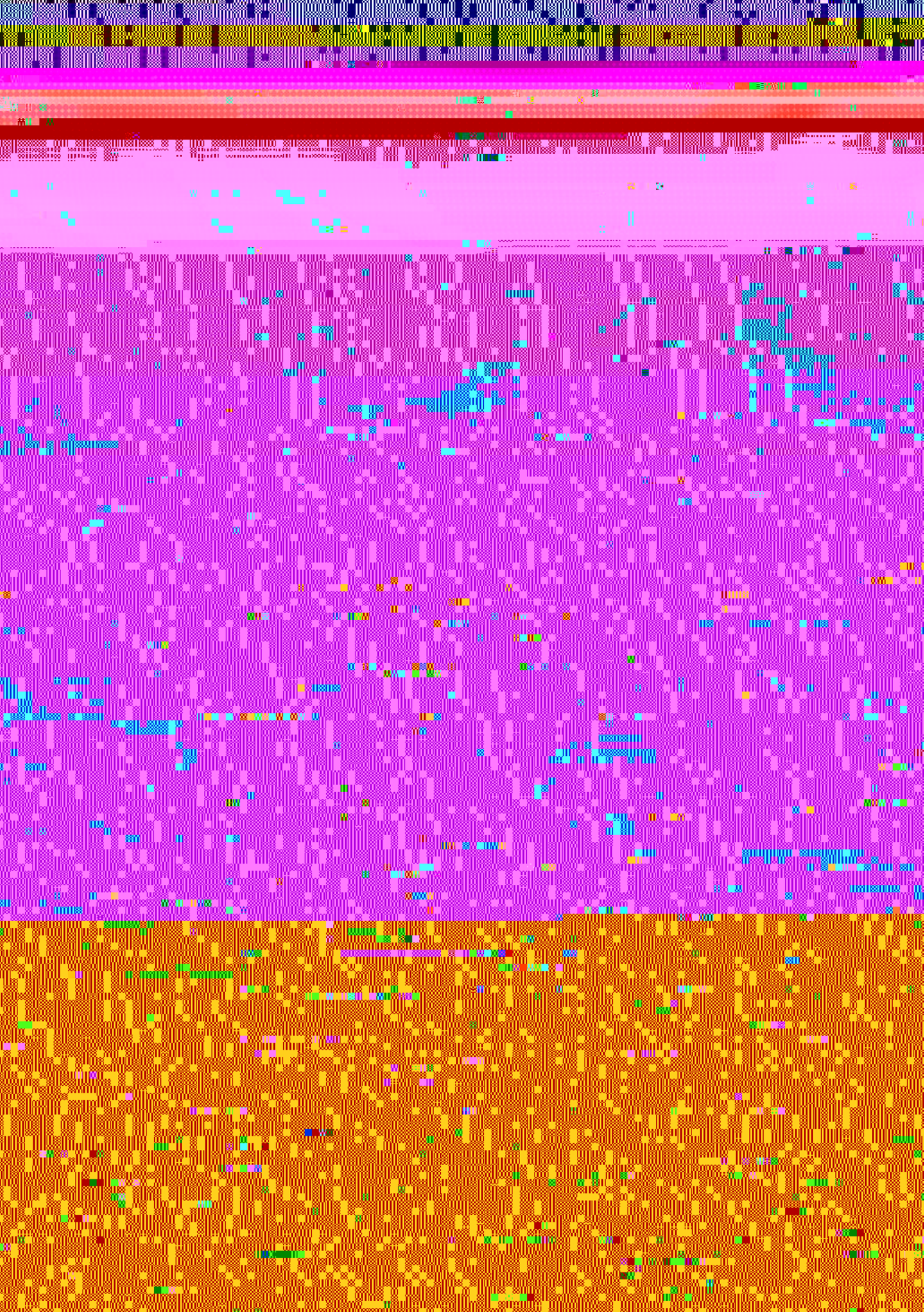
o n s r t s q t o n s o p r n s s r t r t s r s n s t n o
 o t t n r p o t - r s r o n t n r r t t r o n t s s o r p s o
 t s r t s r r t n t r t r r o n p t r s o t C s r
 t r s n d s p s r o r o r t r t o t s t o t s t t r s s o o o n o
 A o r n o r r s t r t s n r s r o p s o r t r r s r r q r t o s o t n
 p p r s r s s n t s p o p t o n s o r s p o n s r t o n t C o p p r s r r t
 t t r s s t s p o p t o n s s p o r p t o n s o r r r n r t r s n t
 n n o s p o p t o n n o n s r n o r t n t n n C p t r

s t r s o r t s o n o n t r o t s t t t r r t
 n s o n r t r r o q t q t n r p s o r n r t t o n o
 r r t n n s s s r t o n s o n t n o r n t t

	✓✓✓	✓✓	✓		
E n s	r or s t o r s o s	n ort o s t o r s o s or s t r or t p s t o r s o s	s t o r s o s or or s t o r t r s o s	s or s t r s o s	

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Clinical guidance

.1 Introduction

1.1.1

s o r t s r t n t o s s t n t r p r o s s o n s n n n s o n s
n n n p r n r t n p o s t p t o n r n s s o n r t s n r p o t t o
n r s n n s o n - B t n n n s r t o o t r o r r s n r s n -
t t o t r r t r p o t n n o p o s t p t o r r n n n r o n s n -
t o n p r p r o s n n t p r o s o n n t o r - n o t s o
o n n t n r o o t r n s s o n o r p o s t p t o r r - r n s s o n
s o n s o r t s o n s o t r t o o r t o n s n r t n s p s o o
t t s t r t r t p r r n s n o s

1.1.2

s p r p r o s n n n t o r o r o n t o n s s o n n n p r t
p o r t s s o n C o n s n s s n s o r n s r o n t o r q t o n s t t o r
t s s o t s t r F t s o t n n s o t s t r r n n t
o p n n t n r p o t s -

A n o t p p r o t o n n t n t p t r t s s o t s t s o p o t s n s
n t o r t o t n o r t o n n r s o s s n n t t o t n r t r t r t
p r o o s s o t r o n s t r n t p o n n o t r n s r r t r t o n s →

1.1.3

.

F o r t p r o s o t s n t n t p t r t s r n s o n o r p r n r t o r
p o s t p t t n s o t n o p r n n r s t t r p r n r t o n r t s t o t
r t n t p r o F t n n o n t p o p t o n s o n s r n o

t n r t t s t o r t o p r n r t o n r n d s t r n d p t r t s
o r o r s o r n n r t t C r t o s t t r o n r p o s s n
t t r t n t p t r t s r t r t n t o r r s o o n o s t n t s r s o r
p r n r t n p o s t p t o n t r o o t s s o p r t s t n t n t o o t r r
A n t o n s o n t o r o t r o r r s t s s s p s r o p o t r t s
t t n t o n t r s n t n t t r t s r t t p o p t o n s r t n t
n r n n

C r t n n s o r o r r t t s t r t n n n t o r s t n
t n o r s s t r n s s o n n t n t p t r t s s s t r n s s o n n s
t r n s s o n o r o r n t s t n o r s →

1.1.4

n n r o n t o n t o r t o o s s s o t t t n o n d r q r
t r n s s o n o r r t n t n s r s t o r o r t r n s s o n r o r t o n s
B C t r n s s o n n p r o p t r t o t o s n s o r t n n n r o n t o r s
o p t s o p t o o n o r t r n n t o t o s s p o o r n t r r
r s r s n t A n n o s s n n r t s s s s t r n t o n

n r t o o s t r o r r n p o s t p t o r r s n n s

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<p>it po r onsit n o n torno t</p>	<p>tt sron t tt r n torno t</p>	<p>n n t rnt pt rts rnt prpt pro s r s o s n d r t rs o t rn o t t o pr t no s</p>
<p>E n o n t t s t on rn o t n rpo rn or onsn</p>	<p>tt st tt r n t</p>	<p>n n t rnt pt rts rnt prpt pro s r t rs o t rn o t t o pr t no s</p>
<p>tt n or n s on t n or r n rpo r</p>	<p>tt st tt t s</p>	<p>n n t rnt pt rts rnt prpt pro t to s o pr t no s on t rn o t t rs s n t n</p>
<p>o n</p>		

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E	n t rnt pt r t st to BCtrns son on t rn n prnt ot t nton n pror n t t s n srso t ot o s n no n no n	NA	NA	NA	NA	NA
E	npr nrt o n t s s st to prop t BCtrns sonon t rn n prnt ot t s n t n n tr D A n o pot t n r pot	✓	NA	NA	✓✓✓	✓
E	npr nrt o n t s s st t o prop t BCtrns sonon srso t ot o s n t n n tr D B n o pot t n r pot	✓	NA	NA	✓✓✓	✓
E	npr nrt o n t s s st to BCtrns sonon nton n pror n t t s s n no n no n	NA	NA	NA	NA	NA

E n t t r t BC r oo

✓✓✓ A ✓✓ B ✓ C X D NA

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PP1

PP2

Effect of non-transfusion interventions to increase haemoglobin concentration

Question (Interventional question)

BCr oo

npr n n ron sr q r or p nson o t rn r ss n t r ssot t
n p rt r t on An son ot o o on sor rs npr n n o
s s r s r oo ron n sso t t pt ron or s n n q t
ron rt An rn pr n n s rs tor otr ns son n s n to rs t rn
n pr nt ot o s
n rs t r s to t s r n or n npr n n n tot r t ron n

pt rt pop t on or p pr n rt o n o n st on n p rt orpr n rt
 orpostpt o n t
 sp r o n
 ron n t or t ot n
 t os t n ro n s
 t r pp t tot A dr n t r stt n
 Aso ost s r n rpo r ndr pot o p n t t r p n o s on
 ortor s r srt it n or n r rt ot o s s n onst n s t
 r sts tto pp topr t n t s sr t nt n n r
 C drort st n C s tso or ron r q rt topt rt non r n ts
 For p n n tr stt n st r pot s n r n rso st
 t r s to C s tso or ron ort os o n or n nt st o p n
 spoor t pt ptst n sst n t pr sr os o or ron B s on n
 pr n C C r ss st t to p n no rt nt tr pot n n
 tr s Aso o or ron p r r sorpt on ord rr sons s r
 r tr s r r t ons s pp rt t on n on t ons t
 n ron n tor st s n o t r p or n t on
 n C n nt n os s r st s ro or r st
 C o pr rot n t s t rons pp rt t on rn pr n n n o o n nt
 s t ron ro pr ron t r to rt n ropp o t n r p r o o
 r q r t o p r tor r tor p oor ron nst r r rt rot p to
 nt s C sr t nt t pr srt nt r rt n s s
 r r n ro st s nnt ro o ron tr r s pp rt t on on t rn n
 p rnt ot o s t so s pp rts ort nn ron o rt st r r s st
 n os s r on r t r or ron npr n n s t r n t C to
 ot o s op ort sr
 t r t r r s ts or ron r pr s rt or n tot ot o s n
 tr ns son n n
 ortor s r s
 s r so t ot o
 ot t t rn prnt n n ont
 r o n t ons n pr t ports or ron o nt n ort s o rot o s

E 33	<p>npr nrt o nt to or ron o pr to notr t rtorp oont n n o o t t r r o t t n prt r t s n t n n tr D r n o got t n r pot</p>	✓✓	✓✓✓	NA		

R1	
R2	
R3	

st -t t o pr rontoor ronr pot t otr son - or ron n on -
s o nos n rt rn n sr oto s

st -t t o pr rontoor ronp so n on tr - t rs
o st t or or ronp so s on n t s st on t o t
rn n sn n nn

t sn n poss topoo r s t s ro st sr pot n ortor s r s s ot
t ro n t o p t r t pop t onst p n t n o r t r t ons n t n o o t o s r s
As p t n st on o ron nr to n nr s n ron st or s n

s r s o t o t o r s s s t p t r t r t o p r s o n t n

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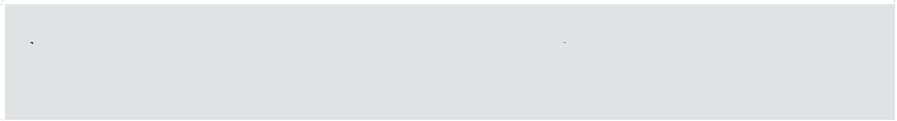
E 7	n o n t ron n n npr n n t t ontr ns son n n o n E Asto ron s n t n n tr D3A n o pot t n r pot	✓✓	NA	NA	✓	✓✓
E 7	n o n t post p t ron n n t t ontr ns son n n o n E Asto ron s n t n n tr D3A n o pot t n r pot	✓✓	✓✓	NA	✓	✓✓
E 7	n o n t ron n n npr n n t t on ortor s r so n E Asto ron s n t n n tr D3B n o pot t n r pot	✓✓	NA	NA	✓	✓✓
E 7	n o n t post p t ron n n t t on ortor s r so n E Asto ron s n t n n tr D3B n o pot t n r pot	✓✓	✓	X	✓✓	✓✓
E 7	n o n t ron n n npr n n t t ont ro o o rtso n E Asto ron s n no n no n	NA	NA	NA	NA	NA
E 7	n o n t post p t ron n n t t ont ro o o rtso n E Asto ron s n t n n tr D3C n o pot t n r pot	✓✓	✓✓✓	NA	✓✓	✓✓
E 7	n o n t ron n n npr n n t t on t o t o so n E Asto ron s n t n n tr D3D n o pot t n r pot	✓✓	NA	NA	✓	✓✓
E 7	n o n t post p t ron n n t t on t o t o so n E Asto ron s n no n no n	NA	NA	NA	NA	NA
E 7	npr n r t o nt t on t rn n p r nt ot t o n E Asto ron s n no n no n	NA	NA	NA	NA	NA

E n t t r t E A r t ropo s s t t n r t

✓✓✓ A ✓✓ B ✓ C X D NA n t p p



R4



E A r t r o p o s s t t n r t r o n t o n



PP14



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Effect of blood components on outcomes

Question (Interventional)

FF r s ro np s

ot sq d on sto t r n t to sn r s ro np s FF r opr pt t
 rno n n pt tson ot t n rts n tr ns son r t rs rts n
 t rnt pt rts

FF ort ns t o ton torspr s r t n nor p s t spr r tr ns s nt
 t rnt stt n to orr t o ton rn t rst tons n t t rnt
 pt r r q rn n r t or r s s o ton tor n sort ro d
 t ro o top n p r r ort s n t on s r to t r Boo n r t n s
 o -Cr opr pt t n rno n on r t r t r p t r r r t on s s nt
 orr t on o o rno n s

E	npt rts t post pt orr t to FF on t rn ot t s n t n n tr D A n o got t n r pot	X	✓✓✓	NA	✓✓	✓✓
E	npt rts t post pt orr t to FF on tr ns son r q r rts s n t n n tr D B n o got t n r pot	X	NA	X	✓✓	✓✓
E	npt rts t post pt orr t to FF on tr ns son r t AEs AC A d r s n no n no n	NA	NA	NA	NA	NA
E	npt rts t post pt orr t to FF ont n or ton r r r t on sto orro n s n t n n tr D C n o got t n r pot	X	NA	NA	✓✓	✓✓

E n t r t FF r s ro np s AEs r o s rs r t AC tr ns son r t r tor
 o o ro A tr ns son r t t n n r

✓✓✓ A ✓✓ B ✓ C X D NA n d pp

rs t on Boo Co t t BC r r t ppro t t on o rno n on r t r t or p t rts t
 on nt rno n n tot d o pro ts n n s pp n r t n ton oo rr n rts
 n d r t BA F rno n on r t r t or r t r to on nt rno n n
 n r t BA rr n rts ro

E	n t rnt pt rts t n nor o ton pro o r trs o nt to FF on t m o t s n t n n tr D A n o got t n r pot	X	✓✓✓	NA	✓✓	✓✓
E	n t rnt pt rts t n nor o ton pro o r trs o nt to FF on tr ns son r q r rts s n no n no n	NA	NA	NA	NA	NA
E	n t rnt pt rts t n nor o ton pro o r trs o nt to FF ontr ns son r t AEs AC A d r s n no n no n t r n s o t tr ns son r tonstr ns son tr ns t n tonstr ns son n r t rs s o s s n p t r tons	NA	NA	NA	NA	NA
E	n t rnt pt rts t n nor o ton pro o r trs o nt to FF on ton r r r onst o ortro n s n no n no n	NA	NA	NA	NA	NA

E n t rnt pt rts t n nor o ton
pro o r trs o nt to FF on
ton r r r onst o ortro n s n no n
no n

✓✓✓ A ✓

E	n t rnt pt rts t n nor o ton pro o r trs o nt to r opr pt t rno n on rtrt orpt t trns sonon t rn ot t s n no n no n	NA	NA	NA	NA	NA
E	n t rnt pt rts t n nor o ton pro o r trs o nt to r opr pt t rno n on rtrt orpt t trns sonontrns sonrq r rts s n no n no n	NA	NA	NA	NA	NA
E	n t rnt pt rts t n nor o ton pro o r trs o nt to r opr pt t rno n on rtrt orpt t trns sonontrns sonr t AEs AC A d r s n no n no n t r n s ot trns sonr t onstrns son trns t n tonstrns son n r t rs s ot s s n n p t r tons	NA	NA	NA	NA	NA
E	n t rnt pt rts t n nor o ton pro o r trs o nt to r opr pt t rno n on rtrt orpt t trns sonont n or t on rtr r tonsto ortro n s n no n no n	NA	NA	NA	NA	NA

E n t rnt pt rts t n nor o ton
pro o r trs o nt to
r opr pt t rno n on rtrt orpt t
trns sonontrns sonrq r rts s n no n
no n

✓✓ A ✓✓ B ✓ C X D NA nã pp

E	npt rts t postpt orr t to o ntonor r tot rp FF r opr pt t rno n on rtrt n orpt ttrns son on trns sonrq r rts s n t n n tr D D n o got t n r pot	X	NA	NA	✓✓	✓✓
E	npt rts t postpt orr t t o o ntonont n or t son on n tr D D n o got t n r pot					

—

—

of blood conservation strategies

or Ct n so no n sn rpt rt n sn t n o r oo
s s n oo os or r rt op rts nt ro o orp nt ro o or tr
t nq s n Ct n o or ton n ssto n son n
n n oo o pon rt rp st nq s rt o sot sq n

s t r n n s r n pro ss n r n t n t s o
Ct n n t nt pt rts

r s n tos o t t s o ort s s onp t t n s s rtr opt
n r s r r r st n n otrns son t FF n pt ts n r t
n n o BCtrns son o o r nsto s n t rt st po Ct n n
t t nt st n o s r ts

C s n o st o t ono oo or n s r r oo r n sonot s
BCs n ot s stor o n trns son nt sr trns son r t
rs rts nt t nt st n s s n r on ons r n o n t ort rs
o or oo oss tor st ntrns son

ort on rns o r s oro or s r r n n orn ot n n pr t

PP23	
PP24	
PP25	
PP26	

pr t port

s t r n n s r n pro ss rt no n or s
 nt t rnt stt n n t o poorq t - n on t o poorq t
 r rt - t r pot s n rt r n nt n n o o o o s
 BC rns son t n o n o o o s r n s r n t nt os o
 nd o o s r snos n rt r n nt trns sonrt s t nt t o
 ro ps nt t s t nt t s o s nd orr spon to r t on n
 t s o o trns son ot ro o o rts r r pot nt rt r t on ro p n no
 nor t on spro o t s rts nt o p r t or ro p

B s on pr n nd r pt rt ro ps s s n n ors n ro o s
 t A r n Con r sso t r ns n n o o s AC n C s r son
 rt r t on n pt rts t n r s r s o or oo oss tor q r trns son
 F t r n on s s ro t BA-

n t rnt pt rts t p n s oon t t r s n trns t t r t r o st on
 r s to o t pr n p ss ss pp nt t r s s nsto ortro n n
 pr s r t t s s nt os n ros tot r t or n or prop t sp t ot
 n rto or r r t p r t
 s t nq s ss o s n t rnt pt r t st n nd r ro ps s ot
 t ns o t r p r t on nt or r A sot r q r ssto nt noo n
 n pr n r t r t on r oo t t s t on rns n t pos r t or t on
 t t r st on o r s or t n r t o p t on so t r t ro oss n ss t on

--

PP27	
PP28	

rt r rt on r oo pr t port

s t r rt t o r s— ort nn on n n t
nd n n poo n ss n t pr r rtosp t o o t t so r q t
r ss ss —An t on poor q t prosp t t s rt —

t sr pot n tr ns son n n — n o — nd n t t t s n rt
rn t n tr rt on n o p r tor r s

B st t t on nos n rt rn t nt n ntso p BC or FF
trns s npt rts on r rt r n tr oon AB t t rston o p r t ot os
o nd p n p r sp t At o s n rt r o n on r rt AB
t t rston r q r ss trns son s p rt r rt on n tr t r r s
r s t t os ton s o t o n on r rt AB t t rston n rt nt
nosso nor p r t on

t r o o t t s t t n t t o ont s o t on rt r rt on ss
s t r to t rn tr t on n p tr o st onto ortro n r
n rpo r to t r n tr t r t t—

n t —r pot on tr n t s t s n rpo r to t r n tr t r t t

o t s—r pot ont ro o o rts tr pot n sno pt st snd
poss to o p r t o r r n os rts t nt os pt rts or n t os
t t nd

n ons rn t s o t nq sto rr t orr t r s sso t t n
rr n n sstot s pro r s t r n n t n tso pr s rn
t t t nq s on t pp rto t s s q r t n tr t on n t t →

ns r ro ot s n ot A t r t—

rF s s ort ortro o n n prop s ors r r n p t rts t n t orsto
o t on t orsF orFX on nt tor n n n n nst ro t n ts s
s n t on o t t r n n rto s r orr snd n sso t t
s n rt pro n o to s n st p d r t on r st r s ot ro o os

s d t r n t n ort s o rF n t rnt pt rts r
d s r nt ro t s d t r n n s r n pro ss o r s t
tos ton s—

o d s ont t pt rts or rF r n or BC rno n n pt t st n
o p rtor ro ps o rt o n or rF or s r orr —

t orsr pot no r n nt n or d r to — t rn ot t —or
t ro o o rts— n o n or rF n t os o nd

r r no t ro n C t t ss sst p to rF nt n rto o d r
orr t st t r r prnto s t rF n r n nto o n
t or s r n nA d r rF s nd ns or s n or n n tsro s o
t to oron on n r d n r o d r s r n tr ns son ppro s
n ns ss

XA ts s n nt rnot o ptt n tnt t tonops no ntops n
o r spons ort r t on o rn r s d ron n tos ppoit s o XA to
r oo oss nt s r n tr pop ton ts ns o ton ss t tt so
o n t nt o d r pop ton nt ortro o

E	<p>no n t post p t orr t r n r t t o r t r n o t t r p XA on ont n or t on r r r t on sto ort ro n s n t n n tr D n o p o t t n r pot</p>	✓✓	NA	NA	✓✓	✓✓
E	<p>no n n t s r n r t t o t r o t n s o r t r n o t t r p XA on on t r n o t t s n t n n tr D n o p o t t n r pot</p>	✓	NA	NA	✓✓	✓
E	<p>no n n t n r t t o t r o t n s o r t r n o t t r p XA on on t r n o t t s n t n n tr D n o p o t t n r pot</p>	✓✓	NA	NA	✓✓	✓
E	<p>no n t post p t orr t r n r t t o r t r n o t t r p XA on on t r n o t t s n t n n tr D n o p o t t n r pot</p>	✓✓	NA	NA	✓✓	✓✓
E	<p>no n n t s r n r t t o t r o t n s o r t r n o t t r p XA on ont ro o o r t s s n t n n tr D n o p o t t n r pot</p>	✓✓	✓✓✓	NA	✓✓	✓
E	<p>no n n t n r t t o t r o t n s o r t r n o t t r p XA on on t ro o o r t s s n t n n tr D n o p o t t n r pot</p>	✓✓	NA	NA	✓✓	✓
E	<p>no n t post p t orr t r n r t t o r t r n o t t r p XA on ont ro o o r t s s n t n n tr D n o p o t t n r pot</p>	✓✓	NA	NA	✓✓	✓✓
E	<p>no n t p r t pro sor nsp r t p t orr t t o r t r n o t t r p XA on ont ro o o r t s s n t n n tr D X n o p o t t n r pot</p>	X	NA	NA	✓✓	✓✓

E n t t r t XA t r n
✓✓✓ A ✓✓ B ✓ C X D NA n t pp

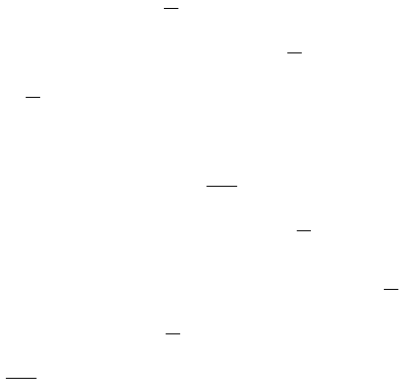
PP32	
PP33	

os n rt rn nt ro o o rts sr pot nt s n Cs— n on
rtosp t o ot t -t t n s rts

XAs rrrt ns or s nA dr n n ros r ntr n tons n n
r n ot op srr n pt rts t o opt s n ron nors r r
tot s o XAont o n n n otrns son n on ton rt r rtons
or to ortro n o o n n or sr n t s n t n
nt non o dr sr ntr pop t ont r s ron n tos ppoit s o XA
to ortro orr - r or ts sr son to ons rts rnt ort tot
or n rtot trnt pt rt t rt n opt t no n drton
n t rnt pt rts s n no n o r n dr pop tons r n drton pp rsto
n

Considerations for Aboriginal and Torres Strait Islander women

A or n n orr str ts n r o n r or to sport nos n t t n
dr A dr ns o rt pr n rpr n o torst t ort t to
n n ron n nt r rs ts— tors n
r t t rt n no s s non n no s n n - n r p rt
or r q rtt n t s n no s s non n no s n n -
or t ssto or n t r o s oo -



s tors ortr t tot

r r q n o o t t n prt r t t n n n o n n no s o n
s —

r p r n t o t t r t p r o r n no s s s p r o r t r
A s r n s —

A t r o n t o n s p r t p o r t s n p t o p n o n p o r t s o r t n n t s n p p
t o A o r n n o r r s t r t s n r o n p t r p o t n n t s p o p t o n s t r
t t o n n t r t r t o r o n n n r o n n n s p E n E ↗

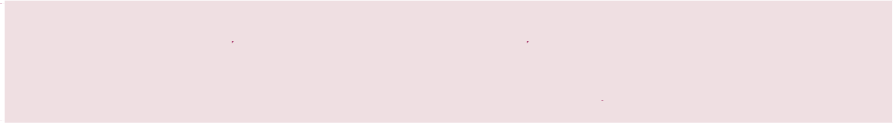


EOP1



FBC oo o rt

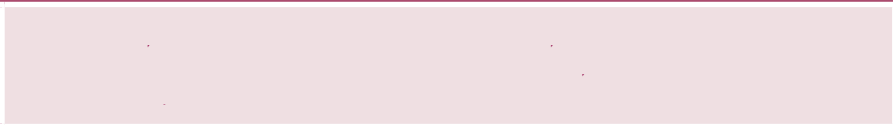
EOP2



E p t o p n o n p o r t FBC oo o rt



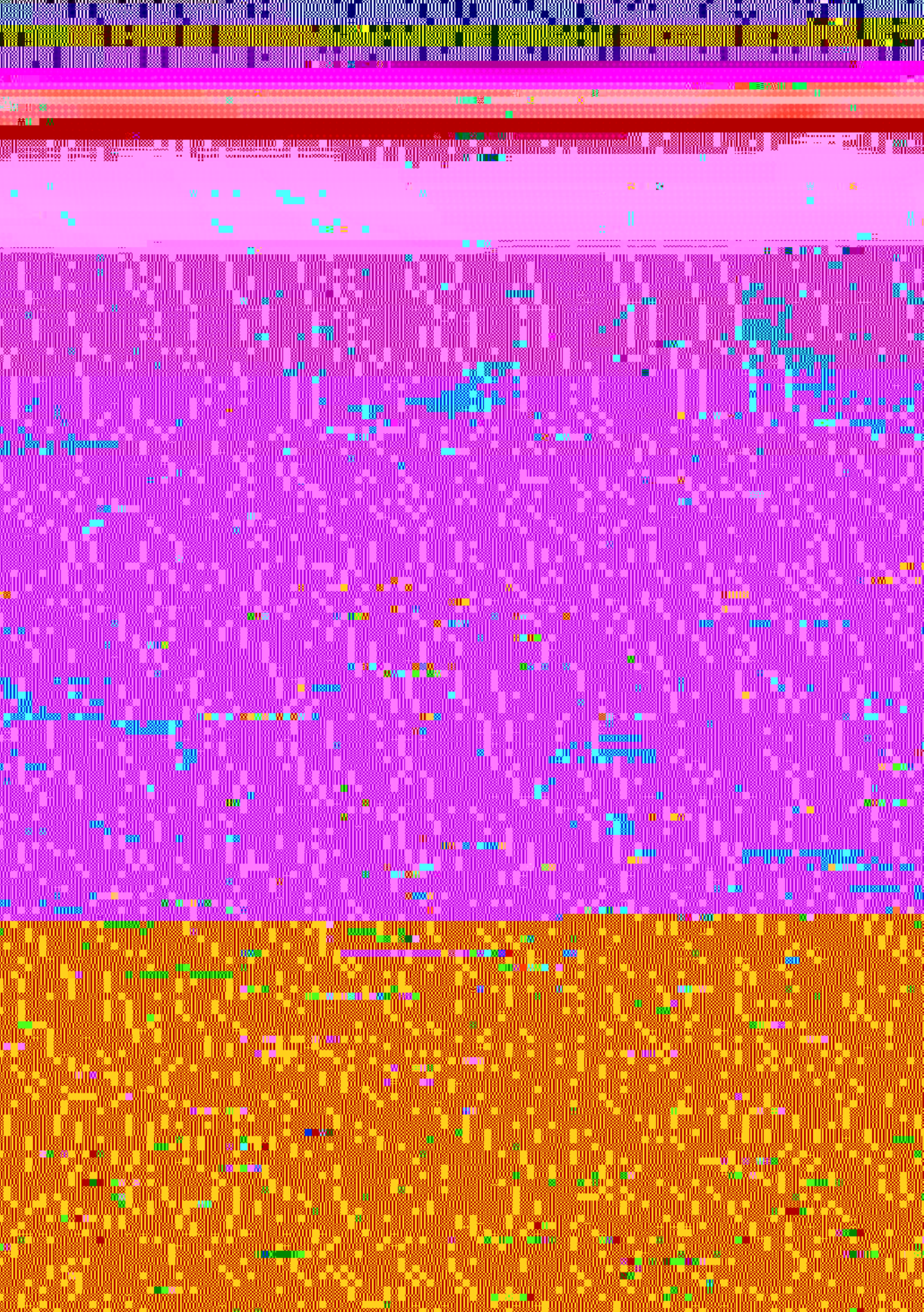
EOP5



PP13



r t r s r r t r no s p r t p o r t



.1 Anaemia as a risk factor

Background question 1

propose a study to support the hypothesis that iron deficiency is a risk factor for anaemia in children.

EOP1	
EOP2	

Explain how you would design a study to test the hypothesis that iron deficiency is a risk factor for anaemia in children.

Researcher hypothesizes that iron deficiency is a risk factor for anaemia in children. The researcher wants to test the hypothesis that iron deficiency is a risk factor for anaemia in children. The researcher wants to test the hypothesis that iron deficiency is a risk factor for anaemia in children. The researcher wants to test the hypothesis that iron deficiency is a risk factor for anaemia in children.

??					?	?	?

or CDC -

An n s on rtrton sst nt o D o t n or sp
 pop t on n t r n t t npr nrt o nt s q t sto o ss
 t n n or to rto sst n → or r rt n s r t n
 t s nt on n t ont ss so sst n ss r n r q r n
 t r t r t n t os o sst n s r n on o r t o r s o
 t r n on t r r - o s p t n s n t s o ss
 t n

pop t ons ro t nt on o nor n n s r r pr o n rt
 ro opn o r t r s t st r pp t tot A t r n pop t on or r rt
 nor r r n r n s or s ro t ron r p t D ns t r n t pop t on
 n s r t s r s o n n ?-

?	??	?	?

or n r t ? -
 At o t r t t too pr t r s o n no s A t r ns r t o t to
 s r t o t os o non n no s A t r ns t o pr n o ron n n s
 n t nt s pop t on -

r s n n t n n sso t on t n t r n n n rs pr n n
 o t o s n n
 o t t n pr t r t n t r s r n nt r t or s on t r t r -
 p r t r p t on - t r n o t t - n p o s i n t pr s s on -
 t st t n r t t s n s t t t t nt on so n o t n
 o o r n on o n n tors r pr s r t A or sp r n t t r s t s n o t
 t r n n pr n t o t o s t r n s n o t t t r n n s n t n
 t s n t o n t t r s so sso t t rs pr n n
 o t o s - t o s r son to ss t t nor pr n n o o n s t n

pr rr t o t rn ron t s st s r rrt n - t o s rrt n s n
t p s r t r s n t n n tor t s t r s r so ron t s
s r rontr ns rnr ns rnr pors n t t ro t p r o p o r p r n t ro n
pr n n tor t t t o n r r p r t t s r s n ro non t n r s
r r n r n s n r n r t on

o n o pr o s o p t on or or pr n n s r t r s o ron n t t t
o n s s q r t t on sp t r r pr n n r r s s o t o r r r s

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EOP8

Blank content area

Blank content area

Blank content area

Blank content area

Blank content area

Blank content area

Blank content area

Blank content area

Blank content area

Blank content area

Blank content area

oro 4 tr orr pos s n s t s r r pr t nrs tors r
pr s r t r t on n s t ont ot pprop r t o t rnt r n s st p d r t
or or t n ot t o r or s n r t propo t on o o n oro 4 tr orr
o rs nt s n o r t rs tors

Fro tr ns son n pr sp t t rnt pt rts nt o o n t or s r t
n r s rs

o n t n r s rs o o 4 tr orr -

o n t n sor rs

o n o t t o r ns s s o t pr s n o o p r t o s o r r r r
p n d p s

E o t s t or s s s ss o

4 tr orr r ns s n r t s o t r n ot t n A 4 r t or t r t sto
t r n or t n o p t s o pr n n s - t s p t on t r n t n r s o r
s s n d n q t s r - r t rs tors n pr s r t r n r t o s t t
or t r t o t r n ton r t on s o r n or s r r t r r t on os r t or t
on s t o o r n p r t r p t on p r t pr t p pr n n n pr ps os
t t s o p p r t r n or n t n r n s r n s t on r t n
p r t s s 4 n t p r o n o r n ro so

n r t n q r n sor rs n r s t rs o n t o p t o tr ns son
n r t A q r on t on s n s r pr ps E s n ro t ron s
r ro o n t on o o s s t r n s n o p t t o r t t s
r DC s o t n n r t r n d os n r t o r t t r p o n t
n r t n sor rs n n on r n s s op r r r t n F t or X
n r t r t r r s o n t s r q r sp 4 r -

o r t o s n op n r s p on s t o p r o s t r ns s on s o r p r n n n t
p d r t o s o t r ns son r t on s n o t s s o t n or n D
r t r ns son t 4 n no s t t t on n r t t on o o r t o s t pro son o
ross t o p t r t n n t oo D p n n ont o p t o r t o s n o
t s t 4 n t s r o r s t o s t o o p t

r r p n d p s o r n pr son s n r t nor r t n s t t r s pr s r t n
t pop t on F n n o p t oo pos s n r t n p n n ont r t n
n o n t n t o o n 4 r t s s o t o o s oo or s o 4 or or ro n
BC s o r ro o n t on or r t r n t on oo s r s

o t n t 4 n r n pr n n r t t pr s n o o r t o s o r r r r p n d p s
s o t t p p r o p t s p t t 4 n r r r n pro son o o p t oo no r

or t or tr ns sons p p o t or t r n t s r s t s r t o o r t s s s t n d t t s
n t 4 r n t n pr n n n n t r pr n n s t o p r o s p p r o p t
tr ns son 4 r t s n n s t n n n s r t o D

A gr n n Z n o t or Boo r ns son A Z B n on nt on t r rt
p t s spro t o n s

€ n s or Boo €ro pn Art o r nn nt Art nt rnt tt n -

€ n s or rtr ns son ortor rt →

s o rts t st n t n o t s n r r p t t o n o r s t s n r t onto t rnt
p t r t s t o r t

Dn t o n o n t ro n o p r o p s

pr n n s o p t o r t o s t t s D or t p t r t o p t o n
oo t nt r t t r ns son s r q r

...

€ n s or Boo €ro pn Art o r nn nt Art nt rnt tt n - s p t
t t oo ro p n r t o s r nn s p r o r s p t o p r t r ns son t n B on
t s n t on t r s n o n r on s ns s o t t ro o r o t n oo ro p n r t o
s r nn t t o n t p n o n s r p n n on t o p t o t p r n n n o
o n t

Cons ns s ro t t r t r s s t t p r o r n o oo ro p n r t o s r nn t
t t o n t s o r s r o r o n t n r s r s o p r p t o r r s
n t p r s n o r t r s t o r s

r s o r t r o r s o t t ro o oo ro p n r t o s r nn p r o t o s r n t
A o r o n n q r r t o t r n t s s o t t n o t s r o n
r o t n oo ro p n r t o s r nn p r o t o s r n t — o r r r t A g r n t
s s t t t oo o t r ns son o o n t s r n t s o o r o n t o t
s s r s t o r s n t t r o t n oo ro p n r t o s r nn s n t o s t —

...

C t o o r s C n t o n s t o s t o o n s o o n n t n t o n t n o t
o n o n t s o r t n t o n s s n r t o n t r s q n t t r t o o t
— Con nt C n t o n n o r n t o r t o t r n p r r n t o n r n t o n t
n g r n o t r s o r s s o o n r t t o n o t r n t o n A t o o s t o n n t
C n t o n s o n t q r r t r t n r ns son r t t p t r t s r o s p t o
p o s r t o C r n p r n n n r s o r s t n o t r ns son o C s o p t
oo p r o t s t o p r n r t o n

A Z B n s r o n t p r o s o n o C r t o n t o r C s oo p r o t s
o r p r n r t o n o r r t r ns son n t o r t o n o n o n p r n n → t r
o t s t o s o p t n t s t r s o t r ns son r ns t t C n t o n t
r t r o r t s o n t o n r p o t t o o r n o t o t r ns s r s p t r t s—
B r t r o n t o n s r r r t t o t t o t r s t o t r ns son o r C

t nt s t r nst r no r t n r n npr n n
so nst on npr n n st o o on s o s r D o t s t s t t
n n n o p r p r n n s s nst t on s s o t t r s o s r D t
p t o o s s o p n s r D r q r n r r r t on—t s t t t o r t
r t o s o p s r s t o p r o s o o t r n s s o n r p o s s n t B C s o
s t o i r n s s o n o r s o r n p d r t o r n t o r o s
r t n t s s n n o n n t A d r n o r t t o n o r t s s n r n t o n t o o
p r o t

Adapting or modifying a massive transfusion protocol

Background question

sq t on o s s o n t r s o n t t o o t o t t r n r t n n
t r n t p t r t s

EOP14	
EOP15	

E p t o p n o n p o r t s s t r n s s o n p r t o o

p r p o s o t s t o t r r t s p n r r s p o n s t o r t n r n s s o n s p p o t
n s t o o r s t n o s t s r s t o r r t n t t r o r r s o t n
n r t n o n s n r o n t o n n r s p o n s o r t t t o t s r t o
o r r n t o t r n o r t n o t t n p r o o n o o p t n D C o p
r p n r

n t o r t o r p n B C t r n s s o n s n n r s p o n s t o o n n s n
t t o o o s s r t r t n t o t r r o t o n t o r t o o o s s o p t o
t o t r q r n t B C t r n s s o n

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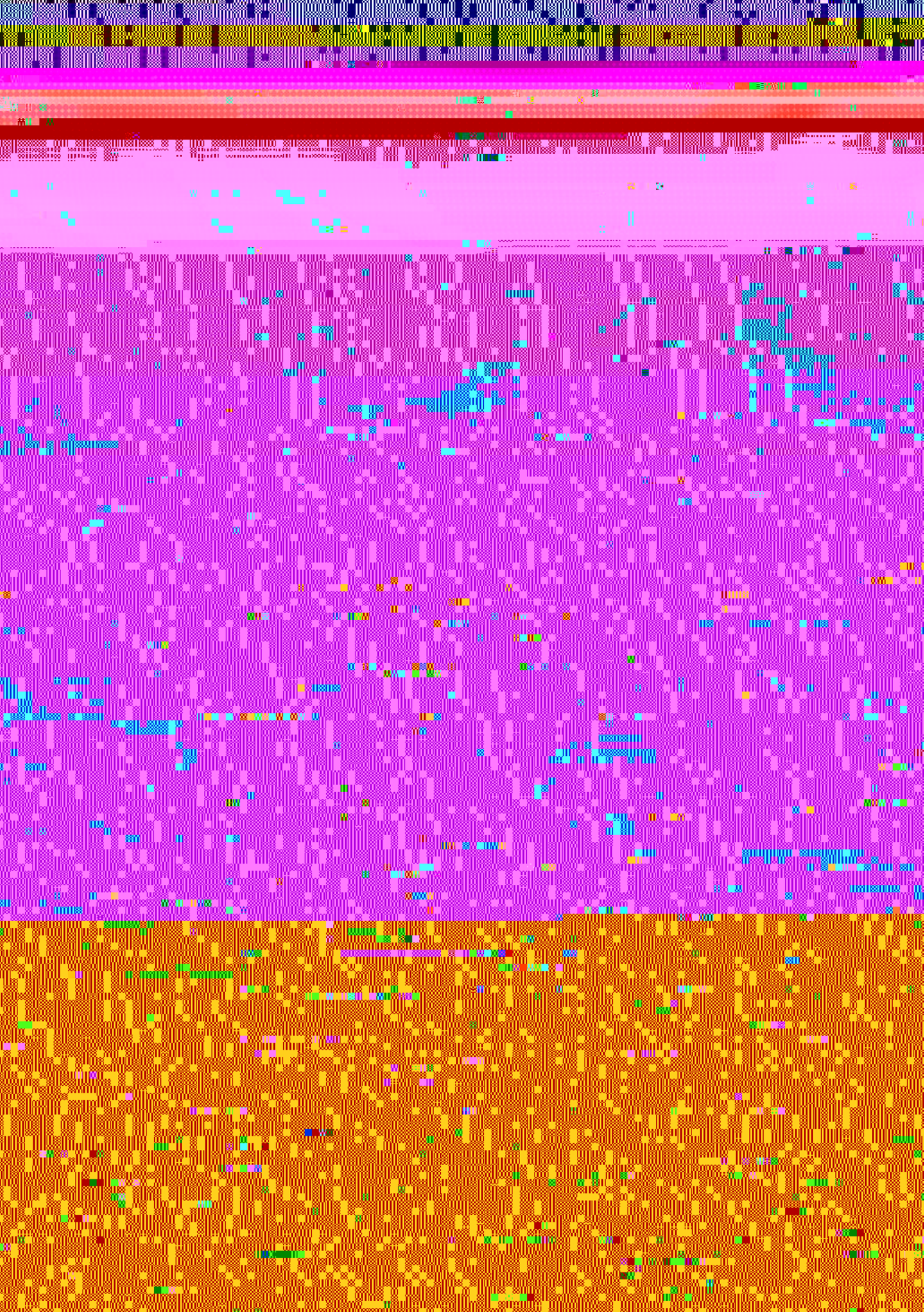
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r s r r t n t r o n t r p o r o n n o s t r t o o o s s p t n o
s o t r o n t o r s r t n →
Cons r E A s n s t o n t r s o s t r t o o o s s n n E A s s t t



Future directions

t s t o t nq s n t n t p t r t s r t p r o r o p t o n s o t r
t r o o s s n s s t o n n r p o t t r t s n o t o s o o n o p t o n s
r n n o n

t r t n g r t o n o r F n t o n t o s n r o s t r s r n t r n s s o n
p p r o s r s o r t n o t t n o n t s r o r r

t r r n g r t o n o r F n p r t t s r t o n o n t
s r o r r

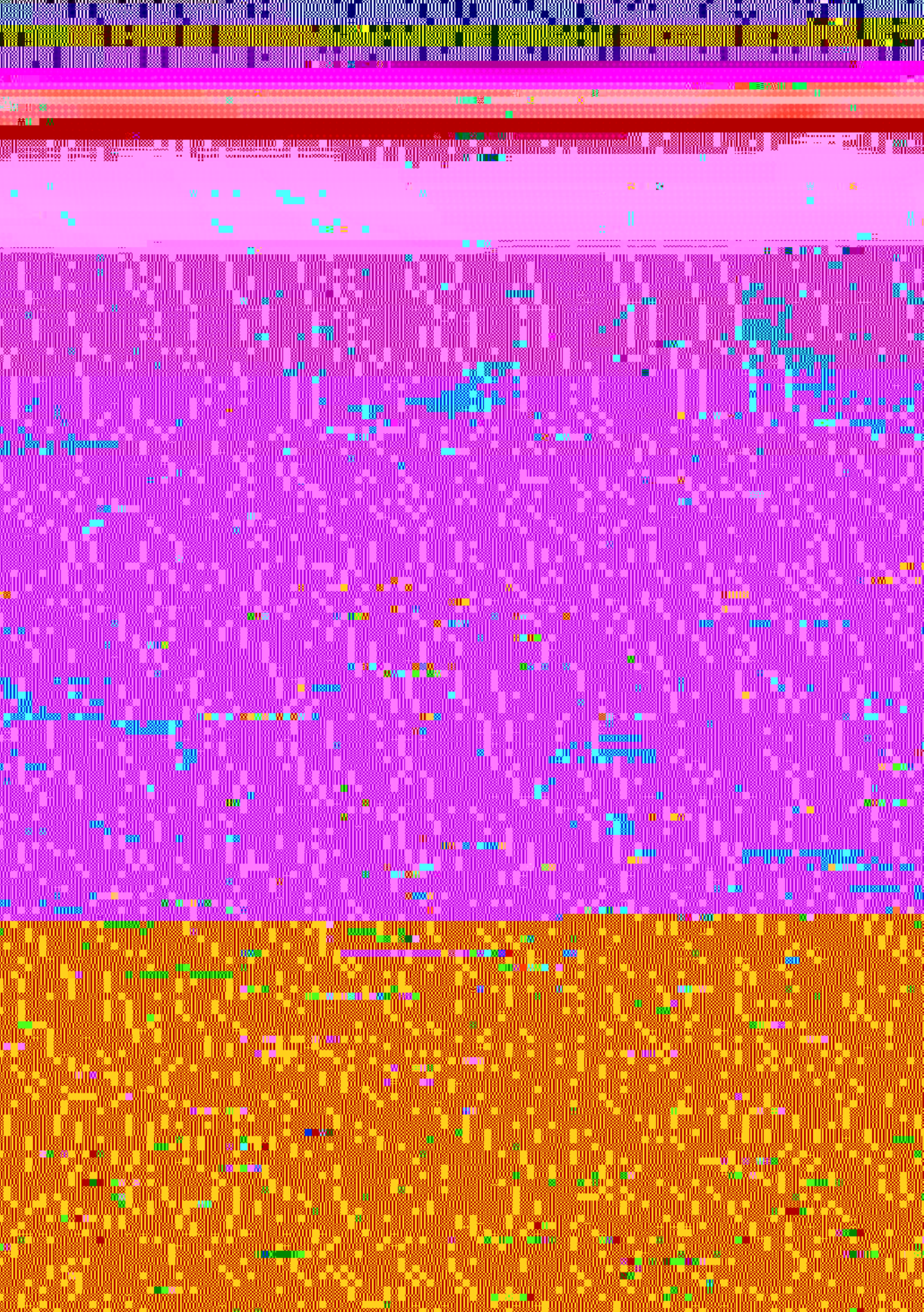
t r o n o r X A n t n t o

t r t r s r o o r p r o p t n g r t o n o X A n o n t r s o
o r o r r

t r o o X A n n t o r t p t o r r

r s r t o n o r t r t r o A o r n n o r r s t r t s n r t n t p o p t o n s

o r t m A r t r n o t r A r s r t r r n o s o n
p o o r t r r r t n r t o n s t t t o X A n g r t o n r n t o r s o



Implementing, evaluating and maintaining the guidelines

.1 Implementation strategies

BA n o ort on t t t r n Co tt op p n to p p r t
o n t on o t p r t t on o t s o p n r t s t r t n s o r t
o s r t s n t o o s o r t p r t t on o n t on n n s n s s s
Co r n r t on o t n s s n s s r t o r r t on n p r t p t t r n s s p p o t
p p r o p r t s o o o o p o n r t t r p n r n p p r o p r t p o s r o p t r t s t o o o
o p o n r t s → A p n s s n t o t p r t t on o t s o s o t n s n
t o t r n

t t r t t o t t n s n n n s n n p r t n t o t o s
t t o r s n o r t t t on o n o p n t t n s
r s t s o t t on s t o n o r t r o p r t n r o t n s
E o n o s s s r o n s r n o r t n t n s r o n t o n s n
t s r o n t o n s o s p t o n s B A t o t r t t r s t on B o o
Co tt B C n s o r s o p t t on t r t B o o n r t n s
p r t t on t r t → t o t t p o t n s
p r t t on s r t n s t o p r t o t o o s t o s p p o t t r o t on o B
p r t s n t n s t t n t o o s r n o p t t p o n t o r o n n s t
n r t r s n B B A s s o n t o p r t o o n n o r s s t n t B o o
r n n A s r r o r r o n n n B C r t B n n r o p r t
n t o n t B A n o o r t on t t A s r n Co s s on o n t n t n t
C r A C C s o p o s p t t o s p p o t t p r t t on o t t on t
n t t r t n r s — p r o s n s t o t B n s n t o o s n
t B o o r n n A s r o r s s s r s o r s p r o t o o s t o s p p o t t o t
r o n t o n s n t s o

. Endorsement

A s o o s n s o t s t t n o r s t s o o t n s o n t
B A s t



Scheduled review and update

s o r n n n n ss n ss r s s n n n
r r t t o p r t t t r r s n o r n r r r

B n s r o t n r t t BA on n t r o p o p t s t o n t t
r n t p r s o n t o r t t o t o r s s s r t s o r p r t n s

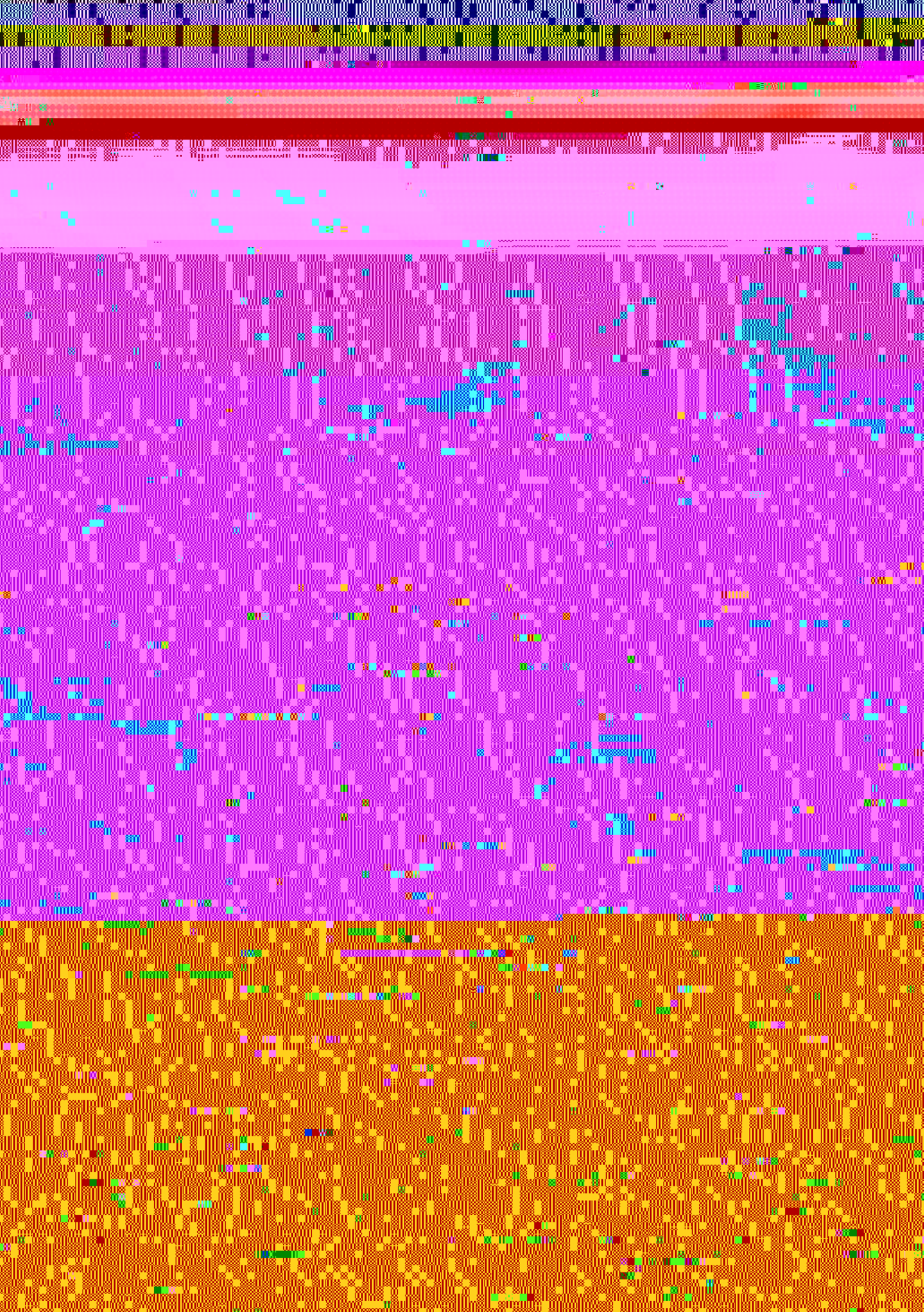
o p r o n n o r t r r s o t s o p s s n n o r t s o n t s o r t t
p r t t o n o r t o p n n t r s t o

E n s o o o

t r t B o o n r t n s
t o n B o o A t o r t
o B
C n r r A C ?

F ?

An o r r s p o n n o r r t o t p r o t n r o r o n s r t o n n t n t
s r



Appendix A

Governance

A1 Governance structure

A t n r r or s s t BAto oor nt t op rt ot
n B ns n r r or ons sso

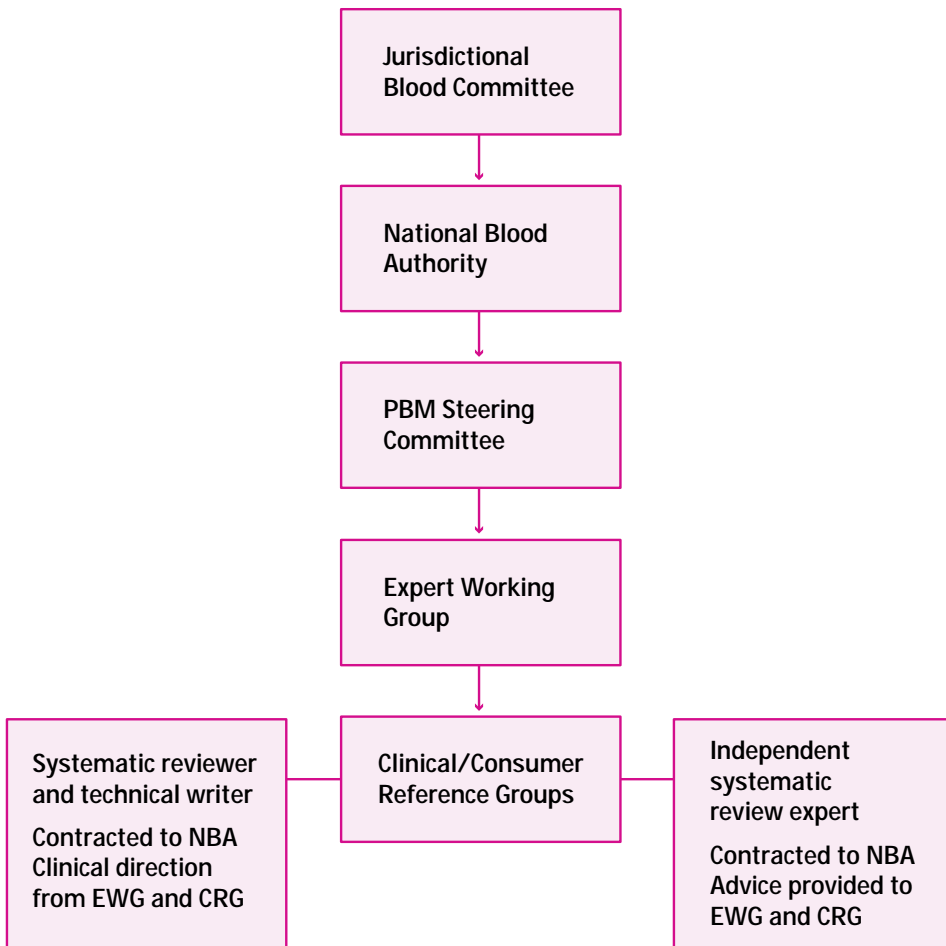
t rn Co tt sr spons ort nt op rt n o rn n o
t r r pro tt s sno o t B t rn Co tt o rs st
p r t on r t ort B n s

nE p t or n ro p E r spons orpro n ons op n o rs t n
r t on o t s o s

C n Cons r r n ro ps C s on or o t s o s t rs p
n n r pr s r t on ro r r t o s so t s n ons r ro p st o pro p t
no n n p t

s s t r rs n t n r r or r t t BAto r t t r t r n
op r t o o





C C n Cons r r n C r o p E C E p t or n C r o p BA t on Boo A t ort
B t rt Boo n rt

A Terms of reference

o r r n t r n Co tt sor n s s n a to pro oor n t on n
r t on or op r t o t n s n a a tsro n rs p sr n
B t r n Co tt s s s to

pro n or t ont ro t BA t o t BC

r r s o r s t t r op s p t o t B s n s p r t t on s r t

pro p t on

t s n n r o B t t s

B p r t t on n t on n t s

s s s p pro s t o s s n B p r t s

t n r t n s r t on n s o r s n s r o o p r o t s n n o r
p o r t n o o n n s t n t o r s

t on n t r n n p r o t s

p r t p r o r n p r o r t

t n s s r q r r t s

n n t p o B p r t

pro r t r o r n r o o r n t on n o o p r t on n B p r t t on t t s

o n t o r n op r t p r o t s t o n s r t t t r o t s

n t B p r o r t t s t o r t p r o t s o r t t o n t n t t t
r t n r s—

r t r t t B p r o r t t AC C n t t s o r r t o t p r o r s n t r
s t n q t r o r

n t o r t s r BA o t t s t o s r n o r t on

E s s s n a to s t o r n s r n o t t o t t s o p n
s r t r o t n s n t r n t o s t s s t r o t t r t r n a a
tsro n rs p sr n t n t r s o r r n r t o p r o t o t BA
o n t s o p o t o s n p p r o t o s o t s s t r q s t o n s n t r t r
s r s r t s E r o t E s r s p o n s o r o r s n t on t o t s s t
r n r t o n t o t r r o p r t s t r r o r C r o t r r t C E E
r s r s p o n s o r n s r n t t t s o p o t o s s p p r o p r t n t t r s s
r s o n n

ro ot E sto

or t t n r n q onsto ns r n o s t t r r r
n r n ot s t r rs

rt t n orC sp t pt n nor rnt s ro ps srq r n r n n

A Membership of bodies involved in governance of the guidelines

Dr onB n r

s r nC r

Dr t F no Bro n

• n r r t n o nt n

Cons rs t For

t o o

s Donn C sson

s E rns

s nn r o ts

ro t r Boo torC n D op rt

Ass rt Dr tor Boo torC n D op rt

Dr tor Boo torC n D op rt

s t rn App t

Dr r rt or ns n

sA son on

s r rs

s r An t n s

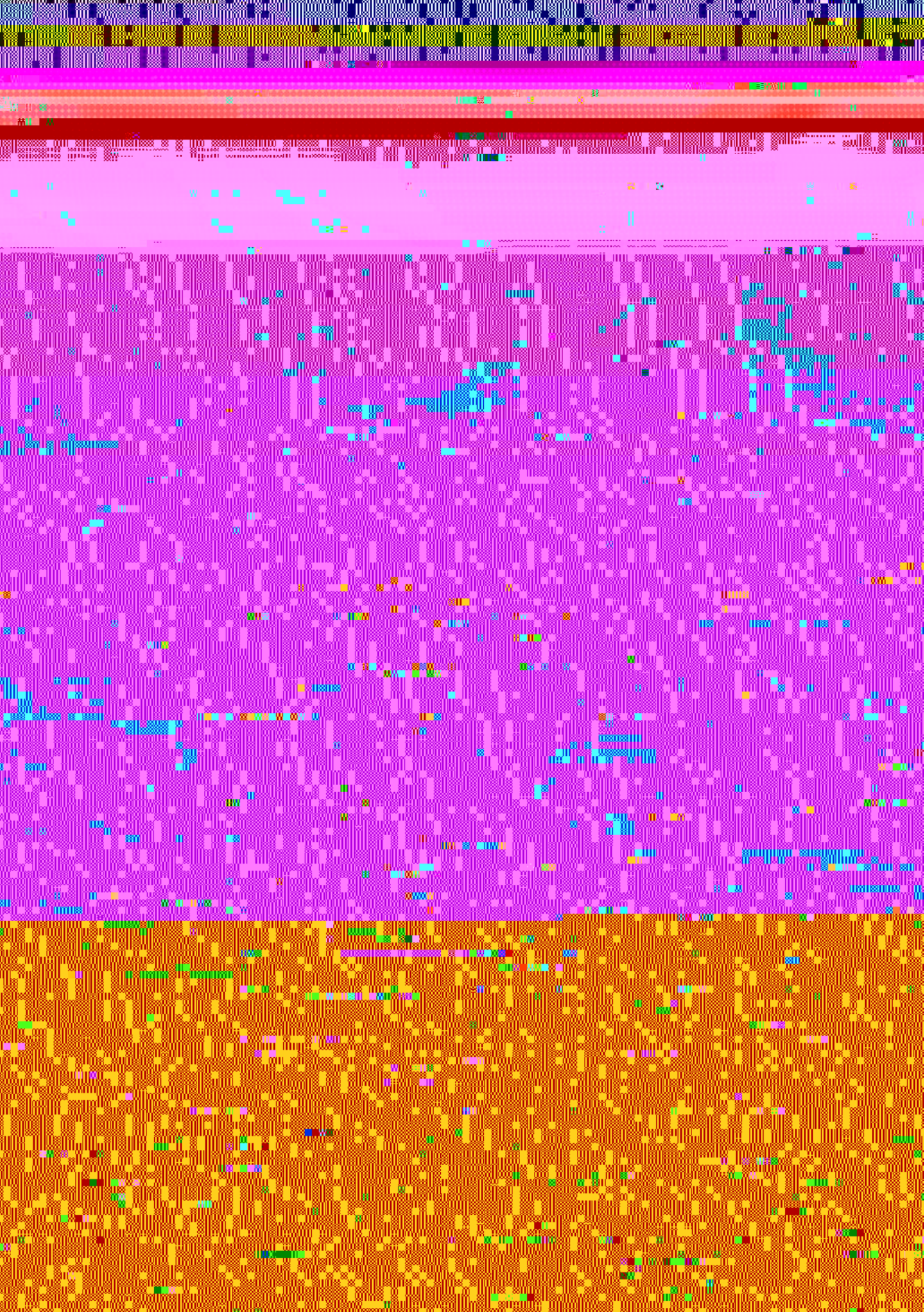
nor ro t r n s

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s r An t n s

Dr r C n

C nE t n r s n p n rt or r to rto p



Appendix B

Process report

B1 Development process and methodology

För förklarande av utvecklingsprocessen i konsensus- och konsensprocesser. Capitulum A

B Research phase

Den första delen av utvecklingsprocessen är den som kallas för "Research phase". Detta innebär att man utför en undersökning för att få en djupare förståelse för de problem som ska lösas. Detta kan ske genom att genomföra intervjuer, enkäter eller andra typer av datainsamling. Capitulum A

B Methodology

Metodiken i konsensus- och konsensprocesser innebär att man använder sig av olika typer av metoder för att nå fram till en gemensam lösning. Detta kan ske genom att använda sig av olika typer av tekniker, som till exempel brainstorming, delviskonferenser eller andra typer av samarbetsmetoder. Capitulum A

B Consensus process

En konsensusprocess innebär att man använder sig av olika typer av metoder för att nå fram till en gemensam lösning. Detta kan ske genom att använda sig av olika typer av tekniker, som till exempel brainstorming, delviskonferenser eller andra typer av samarbetsmetoder. Capitulum A

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B Conflict of interest

A rsot t rn Co tt C E n s t r t r n r s
or t n or ont n s D r t ons r sor t r s sn r t ons
r r q r to r tot C r pr ot t t o t n s t n n n t on
o t n BA ps r t ro r r r s n r s r n t
C r s t s o n s r t C t C s o n s n s t r t t s t
pro n s t r s o n s r to o p t n o r n o n t t C r n p r r t r
ro p t n n s s s o n s n s o n s p t n n t o t r r s t
o o n r t o n s r r n t n o p r t p r o s s

<p>r nonFr r ort</p>	<p>n s r on E C Bos r r r t n t on A Bo r or B s n s t or n p n p n s t or ort o t t t s r A sor Co n AC r s r r r t s r r r n t t r r n ns or n t p t r t s t o n s r t r Ft or r r r r no s on or p or n t ns r r no s ort ro s A t s so n s s o t n s t or on Cr s r r r t t r t Boo n r t n Cr t n s s n r s Bo r r n n r r t r ort o t or Boo n r t n rot o r t n t on pro s s on so t s o t ort A n r t o Boo n r t AB n t or ort A n r t o r ns son At r n t s A A sr t r on or r Fr r t n r r t t or s r n A s r on or r or Boo C p r t t t t r n on or r or Boo C p r Es r n A r Fr r s soon n E p t n E rop n Co s s on E rop n on o o r t s n t F o Boo " n E rop n non or r t t son o o r t s or t r t Boo n r t E B "Cons rs t n Foo E t A n C AFEA o t E rop n Co s s on</p>
<p>A ro Cr Fr n</p>	<p>A ro Fr n r r s r n n ro t t n s n p ro t o s m t s n po s n s t or ont A F E n E r t rop t n n r t Br n n r s s o r pro t r t n n ro t C s sor r s r r r t s ro n B r s p port tot A s r n Cross Boo r A sor Bo r n n s Boo r F o n s</p>

Dr n o o	Dr o o sDr torot A dr nCo oCt Cr rs s sp t pt ont o s s dr o dr s o t t n s dr sp ron oC n t no dr ssp r r dr ro pon E dr ns p pot
Dr o n s	
Dr n o	Dr o s n po ot A dr n Cross Boo r s t t n on r n s dr sp rs p pot B r A dr n a a
Dr A n o son	Dr o son s n po ot A dr n Cross Boo r n Boo r n n A dr
sCt rn t	

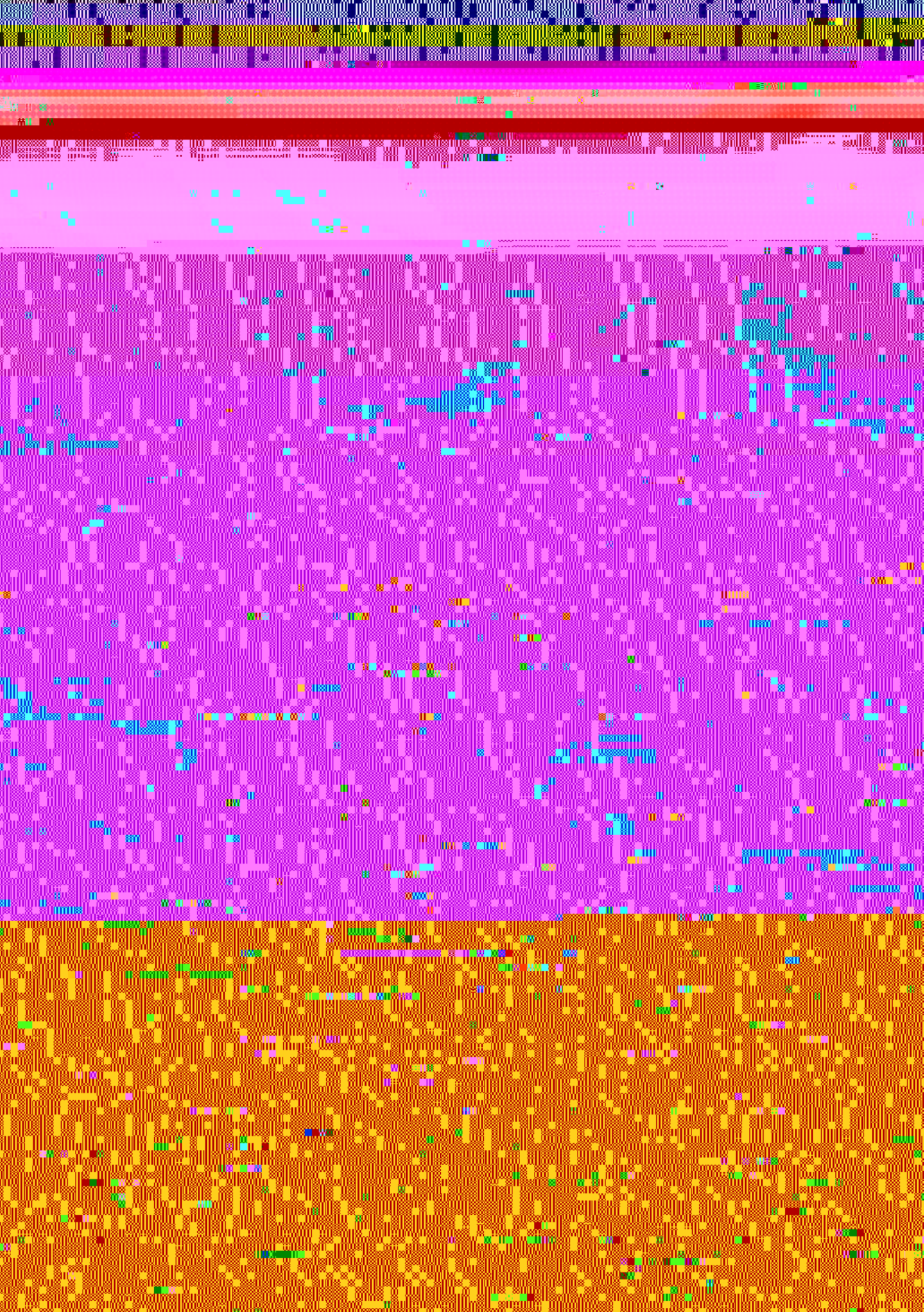
C r ons r t s r t ons n t r n t t t nd on t t t on t
rs r nd s to t roo t n t r n t r n o r t n t n
op r t pro ss

B Finalising the guidelines

Appr s o n s or Es r E t on A EE n r r t s op to r ss
t ss o r t n n q t n ss ss st t o o r o r n r n s p r n n
n s op → post p ons t t on r son o t o ss r t t o
A r n r r s n p n r t t o n op r t p r o s s o s t A EE t o o t o
ss ss t q t n s t o t o n r t r n t on q t r n r s
B A EE ss ssors o r o n t n or s n r t n o s o t o s n or
t s o r q t t s n n t r poss q t r t n

n r t s o t o n t n r p o t s r r n s op r t p t
or r n s Ass ss r t r on s t r t o s s s o p n t C r q r r t s
or t r n op n s o n o p n n o r t s r t n s r t t o t
C or t o o o n n p n r t p r r on r t r r

Appro ro t Co n sr on r r D r r



Appendix C

Transfusion risks in the context of patient blood management

r t on t s n ss t t oo trns son n tspt rts o r n t sn
n on r n n n s n ros n ton n s t n t s ro snon r
rs rts s strns son sso t r tor o ro AC or trns son r t
t n n r A r or o ont npr o st o t n t t or r r t r t
on t ons trns son r t no o ton s pt rts r

rs o trns sson o n t o s s s st ro oo trns son sr s n r t n
r r t rst ro pro n t rn n ortor pro sss o r t r sp d r t or
trns sono n nr ons n t o s r t

D spt pro rts ns s s n r t t r r ns rs o trns son r t r
to n d r t rror n rror st p d r t tor st n t o t r t on ro
AB no p t t t

t pt r r q r st r p or n t ro o top n or o opt trns sons o
n d t son n s t son on t r t rns s s o r ons r
n s o

t r to o r t t r n o t r p s

n t n or n pro n o t o n s t r s s

t r to o r t p t r t s n o s

nt pro sso o t nn nor ons r t n ns o o t p t r t s r t t o s
q s ons n s o ns r t os q s ons t p t r t s n to sp or n r s n En s
t n n n t o n o n r r p t r n t n ort t s tr n r t r p t r
r q r r t r t n ror r n r t n n or t on n r s p p r p r t
n t n r s n sto n r s n n

A rts o t ons r t pro sss o r t o s t t r ror or n t on r q r rts

C s rs strns son rs s n C p r s r t s t C n C t s to
n ns or p n n rs sto p t rts—

r	ss t n n on	
r rt Cr t t o s s n t t t t	oss n t t r pot n A t r	
r ns son sso t r t rs s o t s s	r	
r ns son r t n o t on	t q r t	n no n

A no o n A

s p r n t r ns s n s s t r s sp

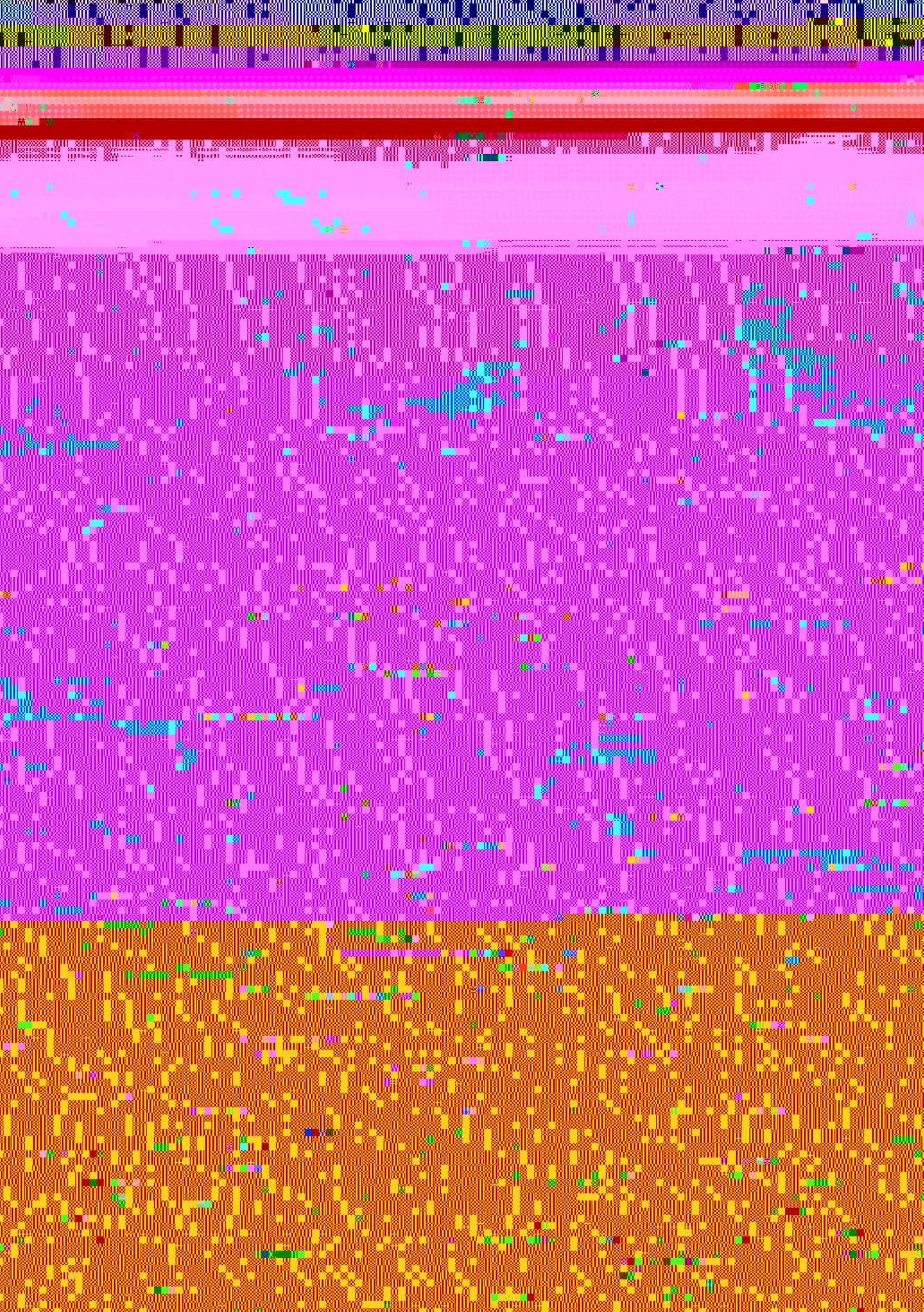
C n —

o r A t r n Cross Boo r st tr ns son o ss ? ?

t o t s n o r t r t A t r n Cross Boo r st
tr ns son o o r t o t r r s t s

	n	D t ro t n n t r
n	n	D t ro t r n r t
r o	n	D t ro n r t t or
o	n	D t ro ro r t
o r t	n	D t ro s o n r t t spr
	n	r ns sson o n po to s s t o s o o r t t s

C n —



Appendix D

Blood sectors

D1 Australian blood sector

Con o A dr n Co rn rts C A pro d spo r or st t r on t on s n n
ort t n oor nt t on A dr n o rn rts C A t Co n C C or r
t t n n Co tt on t o pr s t n s r ro r s t on s n son o
t C A Co n s Co on t n s t n t r r or t n s r on t C C or
n p t n r s p to pro t o t o s or A dr n s n n s r t s s n t o t
A dr n t s s

C C s r s p o n s t s n t o r s t n n r t o t A dr n o o s t o r n n
n t on p o n n n s o n s n r t o n t o t s p p o o o n o o p r o t s n t
t r n t o n o p r o t s n s r s n o t t p n s C C o r s s t
p r t o n o t t on B o o A r r t s r o n s s p p o t n t s r o s t
A dr n t n s r s A s o r Co n A A C

A dr n t n s r s A s o r Co n A A C p r o s s p p o t t o t C C t s s t
t n s r o n s r t t r s r t n t o t o o r n t o n o t s r s r o s s t n t on
n s n s s r t Z n A A C o n s r s o o s t o r t r s r r r t o t t
r s t on B o o Co tt B C t r o t o s p t s r n p Co tt C n r p o t s s
n s s r t o t C C A A C s n o s t t o r p o r n s o n s r r o n s n s

o s p t s r n p Co tt C o n s r s n p r o s t o t A A C o n n o

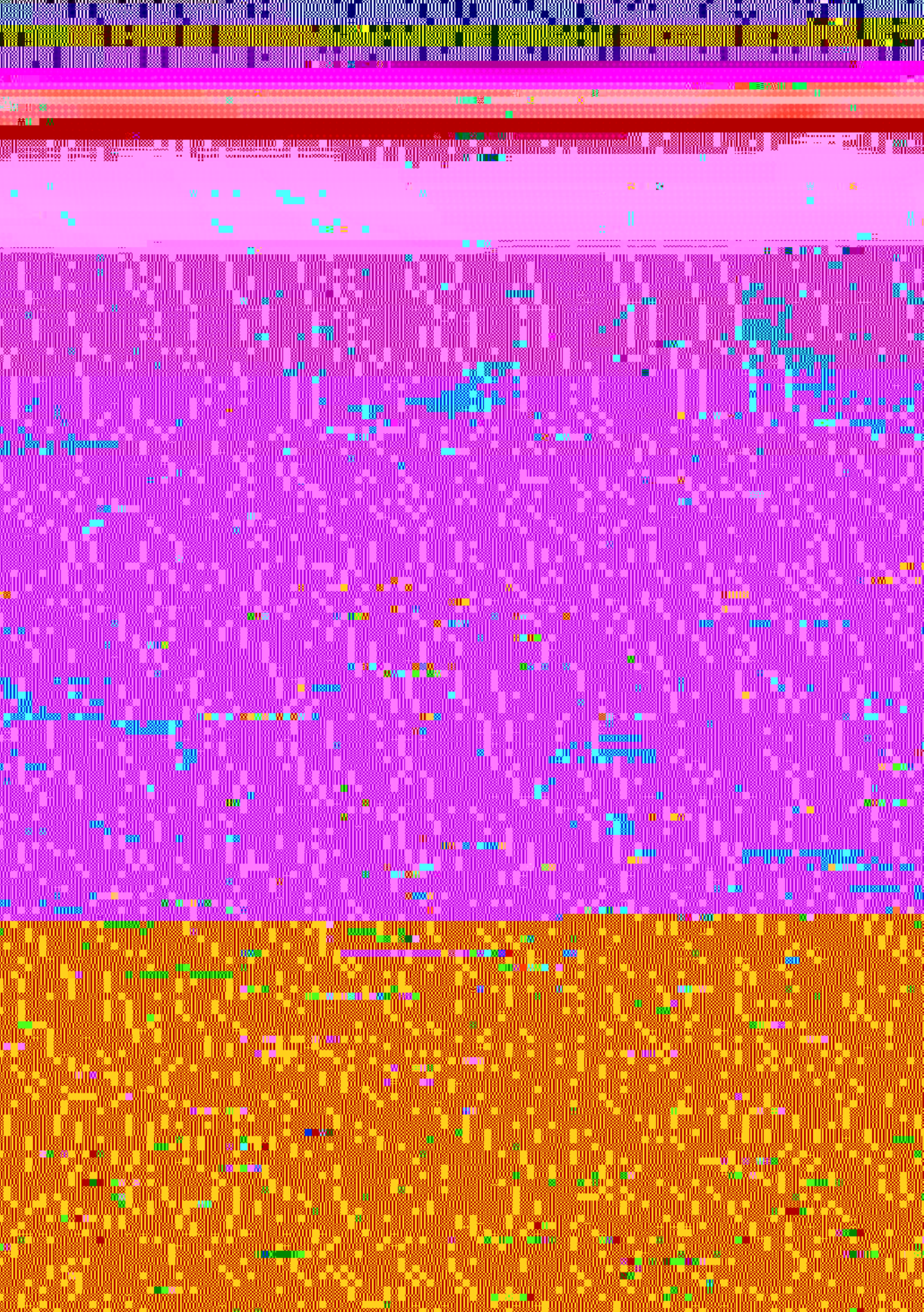
t on Boo At ort BA s s s n s nA s r n o rn rt n t n
t t n n pot o o t sr spons or ns rn t q t s s r n or

Z n Boo r ZB s Cro nErtt s n rt Z n
t n Ds t At ts st p rpos n or t t st s t q t n
rt pro sono oo n oo pro tsto n ns ort p op o Z n t sopra s
r t sr sn n t n o pt rts n onors or or nort ss tr nsp r t on n
pro sono tss n n s n on n s r s

ZB Bo r s pport n r spons tot n s ro t n pr or s r t n
o rn n nt ons n or n t t At

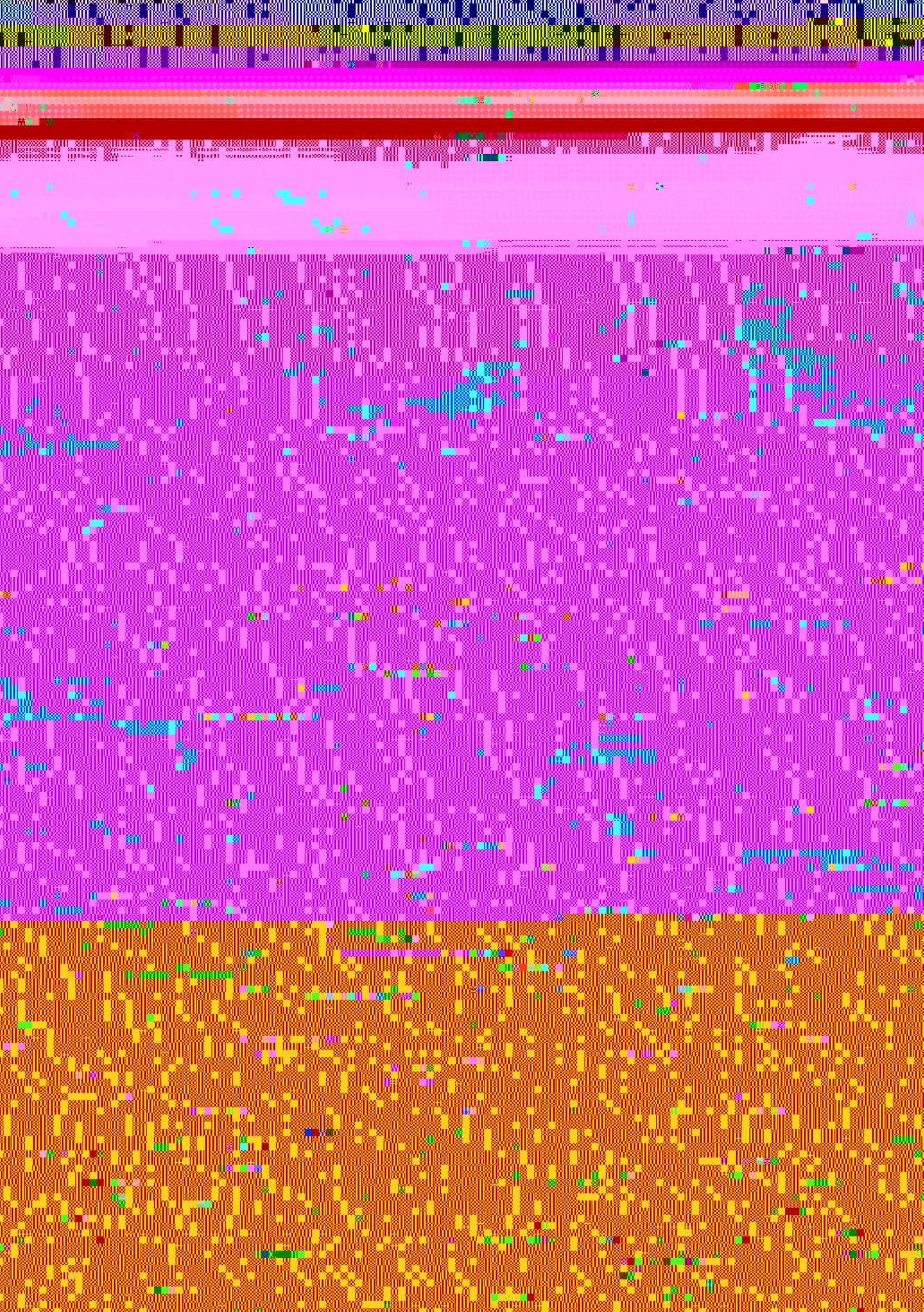
ZB or s os t r torst n s ro t n rt n t on n sto ont or
rt n t on op rts nt o tr ns son n to op n t on po s n to
p r t s pprop r t nt Z n st n

n t ontotsro n o t n pro ss n n s r t on o oo n oo pro t st ZB
s t n o nt pro sono oo n n n n sr s t n Z n s
or ospt s



Appendix E

Product information



References

t on Boo A t ort BA ? t rt Boo n rt n s o
Crt B n ss r ns son BA C n rr A str
ttp oo o p o

t on Boo A t ort BA ? ? t rt Boo n rt n s o ?
rop rt BA C n rr A str
ttp oo o p o ?

t on Boo A t ort BA ? ? t rt Boo n rt n s o
BA C n rr A str
ttp oo o p o

t on Boo A t ort BA ? t rt Boo n rt n s o
Crt Cr BA C n rr A str
ttp oo o p o

t on t n s r Co n C n A str s n o t o Boo
r ns son A B ? C n pr t n sont s o oo o pon rts C
C n rr A str
ttp n r o s n r p t ons s nops s p p

t on Boo A t ort BA t rt Boo n rt n s o str s n
t n t n pot o ot n BA C n rr A str

t on Boo A t ort BA t rt Boo n rt n s o str s
n t n t n pot o ? App n s BA C n rr A str

A str n t n str s A sor Co n A AC ? ? C n pr t n s
Art n t r o A str n Co rn rt D pt rto t n A n C n rr
ttp t o rt n t n p s n ns Cort rt p rt n t r n

A str n Z n o t o Boo r ns son A Z B ? n s or oo
ro pn rt o s r n n nt rt n t pr n t st n r Et on
ttp n s t or p t ons

t on Boo A t ort BA ? n ort pro sono rtr op rt s
BA C n rr A str
ttp oo o s

t on t n s r Co n C ? o t o s t n
ss ss rt n pp t on o s rt n C n oo s r s C
C n rr A str
ttp n r o p t ons s nops s p s n t

t on t n s r Co n C ? ro r s n r q r rts or
t n t ? C str n r or n pr t n s CC n rr A str
ttp n r o n s p t ons p n p

t A n F rooqF ? Co p rson or tso rtr no s rs sor ront r p or
postp t n s n o r n o n t n s ?

Dr n B r B B n Co r C n o r s ? F r r r o t o s
n t o n n t r t r t o postp t r o n n n r n o o r t r o n
tr A r n o r n o s t r s n n o o

ttp o or o ?

r n r A n dr ? rtr no s ront r p rs sor ron n
postp t pt rts n r r r AF ?

ttp o or p o r n s

A D n n s A B t s B t s o t s o n t t ? A p r o s p t
r n o o r t r o r t r no s rs sor ron or o r t r o n n n
o p r n n o r n o r t m n ? ? ?

D r n r n t A ? ? r o n n n n p r n n r t r no s
rs sor rot o m o s t r s n n o o o n ? ?

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n n n ? A s t o o p r t n s t o r t r no s r o n
s r o s n r t r s r r o n s o r t o t r p o r n r n p r n n o m o
s t r s n n o o o n ?

ttp o or s ? ? ?

Z t s B t r A r C n n n n ? n t r o n
s p p r t o n n s o o r t r p o r t n t r o r n o s t r s n
n o o o n

n o D o n o A r o n s p p r t r n p r n n s n t r
r r t r o n r n s C r r r t r p t s r C n n E p r r t ?

r A n n n n ? r r s s o s p r t r r o n
s p p r t o n n p r n n r t m t o n o m o n o o n s t r s t
r n o t r t n t o n F r t o n o n o o n s t r s

o r D n C D o n n ? E t o r o n s p p r t o n o n s r
r t n s r n n t r p r n n B r t s o m o s t r s n n o o
?

C r s t n r s t C r q C t r n n r t ? p p r t o n
t r o n t r t s n t o n t o r o n n o o s n d t r p r o t t o o
s t s o p r n r t o n n r r p o r n o t r o n ?

D o D r n t o n ? r t r t o r o n t postp t r o n n
n C o r n t s o s t r s C D ? ? ?

r t A n B r n n C ? r o n s r o s t n t o t r o n r t r o p o t n
o r t r t r t o s r postp t n A p r o s p t r n o o p n s
o m o s t r s n n o o s r ? ?

ttp o or ? ?

1. <http://www.erasmusa.nl> Ertr opot n n
 rtr no sront r p n post p t n At str t n oo n n
 ?

2. <http://www.sqrte.nl> oo os s n A sn r A t ? An
 o s r t on str ot r s ro n p s oo r t on post p t orr
 An str n An s

3. <http://www.nrnborbn.com> Boo s rn s r n
 s t on Br An str ?

4. <http://www.broos.nl> C s r s no str s o r n o str s n
 n oo ? ?

5. <http://www.droddson.nl> r ? ? rop t oono sono rtr n tr s
 n o n t p r t r t r r r n n ss C n oo ?

6. <http://www.rnos.nl> n r D t o n n C por s E ? ? t
 n o s r oono son r s on r t on ppro orpt r s t nor
 p r t t on A t r r r o m o n oo r r ? ? ?

7. <http://www.bonros.nl> B n or ? B oon ss str o son
 ot r t r n tr s n p t r s t p r t r t p r r t C r o s r n
 r r r t on oo ?

8. <http://www.nab.nl> n n Bonn r t r t Co p r s o n o s s n t
 n t o t p t r oon t t r s o r n o t m Ft n

9. <http://www.rstrto.nl> or C on n n D ? C s otro o p r s o n
 o s r n str to t n t o t prop t p r t o r t r s r oon
 t t r s orp r t r t A r n o m o str s n oo ?

10. <http://www.bsad.nl> n C r s C o t s AC sn t ? ? r o p r t
 r t r s r oon t t r s n s r o t o sn p r n n s o p t p r t
 r t A n r t p r o A r n o m o str s n oo ? ?

11. <http://www.dsrs.nl> r n d F Do r n FC r E on n r p ? ns s
 t t n p r n n t r t r o t on ort ort ro o post p t orr
 pro ?

1. D p t r o t A ? ?

Cor nE rr o E n B r ? o o o n s rs t or or
post p t pr sson o rn o t r t on ? ?

t p nsson D n o nssonA n Cntt n s ? t rn o o n
on r t r t on rn pr n n n rs o t t o rn ot A r n Asso t on
? ? ? ?

or t r n t on ? pr n o n n o n At t on
o n or t on C ? t rn t n t r oo
ro r D sono F t n

s Do t DA n nn r ? o opr n n ot o s r n
t n t rs A t rn A t r n t A t

ttp n n n o p ?

C nA o rD n rpr t r pro so r r t o n ro
non En s sp n o r t r s n ot A t r

A dr n Z n o t o Boo r ns son A Z B ? n s or
pr tr ns son ortor pr t t E t on
ttp n stor p t ons o rts pp n s r p

? Coron nq st rot t o rr F o ? Coron rs t on
o ot s

to n B n ? rop n s Boo tr ns son t o rs t
s r ns ton A dr n n Z n o m o st r s n n oo
? ? ?

o r roo F n tront ? Con nt to o r s n t on tr t it
s q n oo p o m o t m Ft ont n ?

o nson An rson B n ss F ? ? r r t on o t r n n on nt
to o r s n t on Cn st r s n n oo ? ?

A sor Co tt ont t o Boo ? ? Cto o r st st oo o pon rts
ost on t t r B r pot ot Cto o r st r n ro p D p t r t o t
ttps o o rn r t po s s t po s t t r t ? ?
p

n n D pr F s r n n p n p s D ?
st r st or n r t o t t r n st n s r t o o n t on npr n n
st r s n n oo

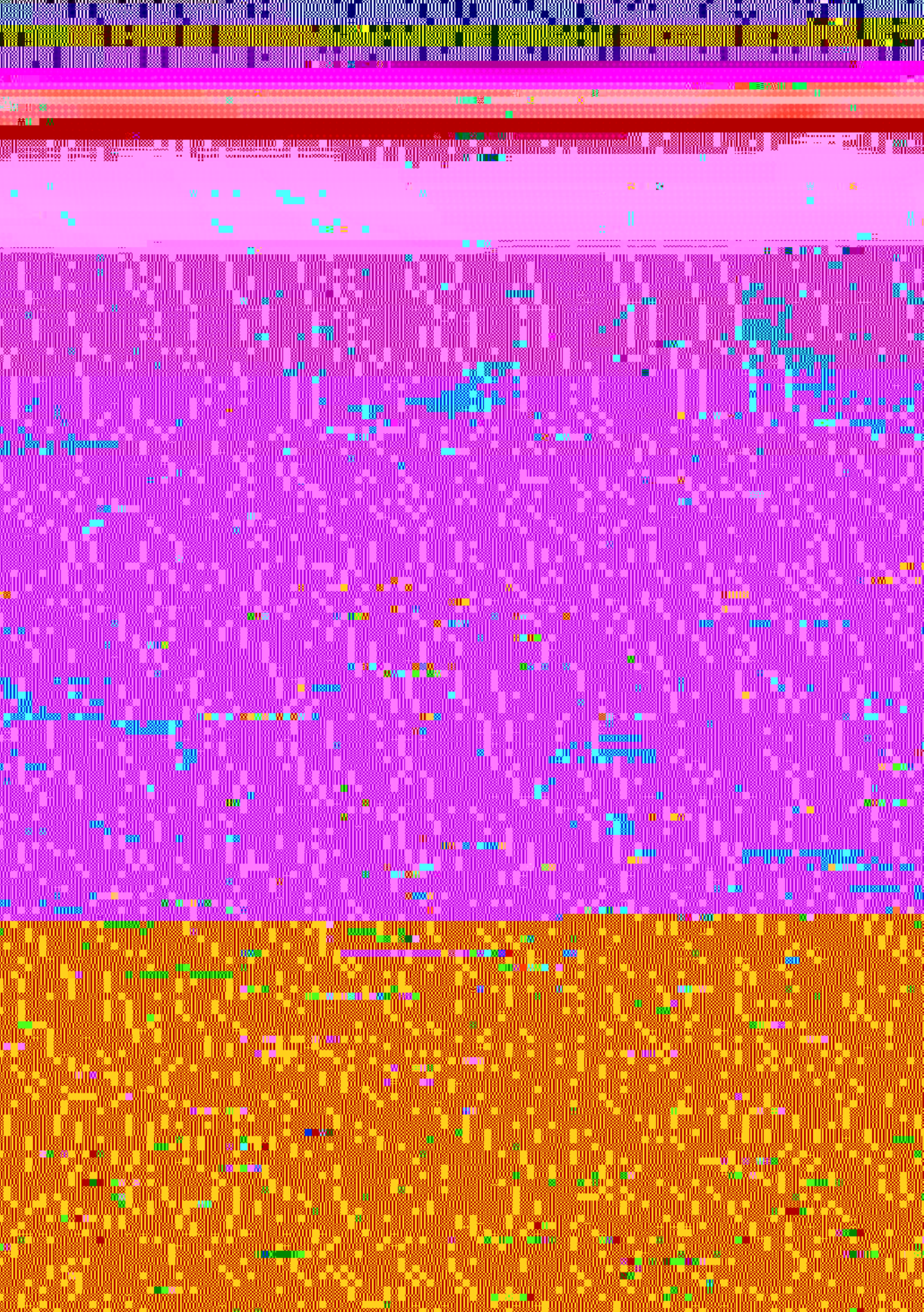
A r r n n r t B ? o n t too sp t so or
o st r orr B r s o m o too ?

oo on C Co s E n Co ns ? ? ost ont on r n rn post p t
orr n p t ons or n r t B r s o m o An st s

so A A s r A t ns n o oos A r ts n C E n t ? ?
FB tr F r no n on r t r t s n t r t r t or post p t orr

B F rt Co ns n Co s E ? s o rno n on rrt to orr t
po rno n rp rn o str orr rt rnt on o rn o str
An s ?? ??

Co r Co s E n Co ns ? F rno n on rrt s rn oro str
orr An s ? ?? ?



t s s s r ?
D n r s s o o n s n
pr n n
op rt pro ss n t o o o ?
ss nt rtr s r o t on ?

n ors rt o n s
rt ropo ss s t n rt
t r p ?
t ss s pt rts or o tr ns son s
nd n opt on

t n n s
n ps
n s t rts
o n t on or rt ot r p
r opr pt t
op rt o ??
rt ropo ss s t n rtt r p ?
rno n on rtrt
or t on o ?
r s ro np s
rtr op rt s
rt r r t on r o o ?
or n or p r r r ron
p t t r ns sons
port o r t s n
r o n r t t t tor
tr n

son rtr r s r r ports ?
p t op n on ports
p n ss tr ns son pr o o to
o s tr s
n ?
ss or
t rnt s r s
p t rts or o tr ns son s n d n
opt on ?
s r o ?
E p t or n r o p ?

rrt nt s n ?
t o t o
rt ropo ss s t n rtt r p
n
ront r p n
rno n on rtrt
rno n s
n sn n s
o
r s ro np s
t r r t ons

p r t n n s
n son r t r
n p n r t s t r p t
n no s A t r n s
r t r o p r t s
r t r r t on r o o
r t r s r ron
r t r no s ron
r on t r p s or n or p r t r ron

r s t on Boo Co t t

n t BC pro t s
r t n s t

o r n r t p t r t s or o
t r n s son s n t no t on
s s s p t r t s or o t r n s son s
n t no t on
o p t C s o o pro t s
t r t r s r t s

r t n n n s
n r t r or or n
o p r t
s s t r n s son p r t o o s
t r n n s n
t r n t p t r t s s o o t r
o r r p o s t p t o r r
o o r o p n n s r n n
n t on

E A t r p
t r r s r o s
r on t r p or
n t t n
n r n t r n s s on s
B C t r n s s on s n
t r n s s on s p p o t or
r t n t
s Z
t o s
n t r o t Z

or r t p r t
o t t
r t r o p o s s t t n r t r p
n
r on t r p n
t r n n

t on Boo A r t
t on Boo A t o r t
n s o p
r o t n r t n Co t t
r t r t
r o o

t on t r n t r s C p t
Fr or
t on t r t Boo n r t n s
p r t on t r t
t on t n t t r
t n r s
Z n o o s t o r
Z n Boo r
C p p r o n s
n on t r n s son r t r r t on s
Z B Co t on n n t r n
t n r s

o t r o r r s s o p o s t p t
o r r
t r r s r o s
r s p o p t on s
n r s n n n o
n r t o
p r t p o r t s
t s t r t
o r n or p r t r ron
t n s s o
o r A o r n n o r r s t r t s n
p o p t on s
t r r s r o s
s r o r o n t on s

t r p t r o o s r t r r t on
r o o
t r o o o r t s
r t r o p o s s t t n r t t r p
n
n r t o ?
t r n n
o r r s t r t s n r s ?
t r n
t r n s s o n s s s o s s t r n s s o n
p r o o s r o o t r n s s o n s
t r n t s n n d n o t o n
o r t r n t p t r t s
n n o n r o n t r p
n n o n ?
r s s s s r t
s p p o t o r n t r n t s r s
X A s n n n n o o

AB t t r s t o n
p t o n s
t s o o n s n p r n n ?