



BC Renal Agency

An agency of the Provincial Health Services Authority

Vascular Access Referrals and Transfers:

**Guiding Principles
Resource List
Algorithms**

APRIL, 2010





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INTRODUCTION

The mandate of Working Group 4 of the Provincial Vascular Access Services Team (PVAST) was to develop a timely and efficient referral and transfer process between the Interior (IHA) and Northern (NHA) HAS and tertiary services in Vancouver Coastal (VCH) for patients with VA related issues.

This document describes guiding principles and recommended referral and transfer processes between the IHA/NHA and VCH. The principles and majority of processes also apply to transfers between other HAS and within HAS. It is assumed (and recommended) that, in the majority of cases, the Vascular Access Nurse/Coordinator will assist in coordinating the transfer or, if after hours or on weekends, be notified of the transfer.

With the completion of this document, the last teleconference of Working Group 4 was held in July 2007. It was agreed that in the future if there are issues with individual transfers, these will be referred to the VA Nurses/Coordinators (and Renal Director/Manager if necessary) of the respective HAS to review/address issues. If general issues arise, these will be referred to the VA Nurses Education Group (and Renal Directors/Managers Group if necessary) for resolution.

GUIDING PRINCIPLES

1. Proactive systems will be place in each HA to identify patients requiring AVF/AVG creations and for creations to occur in a timely manner.
2. Processes will be in place in each HA to follow-up problem accesses as quickly as possible (“fast track”).
3. Patients requiring va creations or va interventions for problem accesses will be cared for as close to their home community as possible.
4. For patients who must transfer outside their home community/HA, (1) the number of trips and length of time outside their home community/HA will be minimized; and (2) the timeliness of service will be maximized through appropriate system referrals.
5. Criteria for transfers out of in-centre units will depend upon service capacity of individual in-centre units/hospitals. Service capacity includes appropriate procedural, resource, and skill capacity.

Current service capacity in the respective in-centre units is listed on *Table 1*.

Table 1: Current Service Capacity, In-Centre Units, IHA & NHA

IN-CENTRE UNIT	VASCULAR SURGEON(S)	INTERVENTIONAL RADIOLOGIST(S)	CURRENT SERVICE ACTIVITY
Kelowna	Y (3)	Y (3)	Manage all types of VA situations in house: no patients or procedures referred out
Kamloops	Y (1)	Y (1)	Patients may be referred to Kelowna/Vancouver upon request
Penticton	N	N	New creations, problem accesses, fistulagrams and angioplasties to Kelowna. One gen surgeon inserts uncomplicated perm catheters while insertion of complicated ones is referred out.
Trail	N	N	All VA creations, revisions, and problems are referred to KGH, Foothills, or Vancouver depending upon patient preference
Prince George	Y (2)	N (1 radiologist with interest in VA available 1 wk per month)	Perform most VA creations and revisions in-house; refer creations and revisions to Vancouver if very complex, limited access areas, and/or anticipate the need for a leg graft; do fistulograms and uncomplicated angioplasties if radiologist available; refer angioplasties out if radiologist not available; Terrace and Ft. St. John patients are usually referred to PGRH initially for assessment of their access.
Cranbrook	N	N	Diagnostic fistulagrams/venograms done in-house. Angioplasties done in Kelowna. CKD access creations/revisions go to Kelowna or Foothills. Patients on dialysis who require new creations, revisions or have problem accesses go to Kelowna.

6. Prior to transfers out, need confirmation that all required resources will be available at the receiving site (eg, pre-admission clinic, surgeon, OR time, radiology time, HD space and/or HD inpatient bed).
7. Clinical and transfer related information will be documented in PROMIS by the sending site and will be available to the receiving site when a patient is transferred.
8. When ready for return, receiving HAs will determine whether patient is suitable for in-center or community dialysis unit based on criteria established by each HA.
9. In centre units will work toward increasing levels of self-sufficiency, where appropriate. Tertiary centres will work collaboratively with in centre units to assist with clinical education opportunities, consultation, and support if requested. The goal for service capacity in 2010 in the respective in-centre units is outlined on *Table 2*.

Table 2: Desired Service Capacity by 2010, In-Centre Units IHA & NHA

IN-CENTRE UNIT	VASCULAR SURGEON(S)	INTERVENTIONAL RADIOLOGIST(S)	FUTURE SERVICE CAPACITY (BY 2010)
Kelowna	Y (3)	Y (4)	4th vascular surgeon to start in Kelowna in July 2010
Kamloops	Y (1)	Y (1)	No change
Penticton	N	N	No change
Trail	N	N	No change
Prince George	Y (2)	Y (1)	Self-sufficient in PGRH for VA related cases; VA cases from CDUs to be transferred to PGRH for assessment/procedures/treatment

Vascular Access Coordinators/Nurses

HA	HD CENTRE	NAME	TELEPHONE	PAGER/CELL	E-MAIL
IHA	Available to HA	Angela Romyn	(250) 862-4189	(250) 718-1643	angela.romyn@interiorhealth.ca
FHA	Available to HA	Mirita Zerr	(604) 587-7673, loc 769363	(604) 450-1682	mirita.zerr@fraserhealth.ca
VCH	Available to HA	Rick Luscombe	(604) 682-2344, loc 62421	34977 (int) (604) 252-4977	rluscombe@providencehealth.bc.ca
VCH	Available to HA	Araceli Yngreso	(604) 875-4111, ext 69751		Araceli.yngreso@vch.ca
VIHA	Available to HA	Gillian Vincent	(250) 370-8092		gillian.vincent@viha.ca
NHA	Available to HA	Gayle Kroestch	(250) 649-7087		gayle.kroetsch@northernhealth.ca
PHSA	BCCH	Lori Paille	(604) 875-3248	(604) 812-7416	lpaille@cw.bc.ca

Vascular Access Clinics

HA	HD CENTRE	TELEPHONE	E-MAIL
IHA	Surgeons's Office	(250) 762-7731	
FHA	Surrey Memorial	(604) 585-5666, loc 2445	
VCH	St. Paul's	(604) 682-2344, loc 62421	
VCH	Van General	(604) 875-4111, loc 63138	
NHA	Prince George	(250) 649-7087	
SARP	Calgary – Mark Dariw (only CKD pts)	1 (403) 944-1837	Mark.dariw@calgaryhealthregion.ca
SARP	Calgary – John Lee (only CKD pts)	1 (403) 944-8479	John.lee@calgaryhealthregion.ca

Hemodialysis Arrangements

HA	HD CENTRE	CONTACT PERSON	TELEPHONE	E-MAIL
IHA	Kelowna	On call nephrol & Pt Care Coord/Charge RN	(250) 862-4345; after hours (250) 862-4000	
IHA	Penticton	On call nephrol & Pt Care Coord/Charge RN	(250) 492-90-59(1); after hours (250) 492-4000	
IHA	Royal Inland	On call nephrol & Pt Care Coord/Charge RN	(250) 314-2260; after hours (250) 374-5111	
IHA	Trail	On call nephrol & Pt Care Coord/Charge RN	(250) 364-3450	
FHA	Abbotsford	On call nephrol & Pt Care Coord/Charge RN	1 (604) 851-4700, ext 646183	
FHA	Royal Columbian	On call nephrol & Pt Care Coord/Charge RN	(604) 520-4582	
FHA	Surrey	On call nephrol & Pt Care Coord/Charge RN	(604) 585-5923	
VCH	St. Paul's	HD scheduling RN	(604) 806-9034	mdonnelly@providencehealth.ca
VCH	Van General	HD scheduling RN	(604) 875-4111, loc 63007	
VIHA	Royal Jubilee	On call nephrologist	(250) 370-8290; or (250) 370-8000 (between 2400 and 0700)	
NHA	Prince George	Clinical Practice Leader, HD Unit	(250) 565-2533	
PHSA	BC Children's	CNC, HD Unit	(604) 875-3248 (604) 875-2345, ext 7420	lpaille@cw.bc.ca

Inpatient Bed Arrangements (*bcbedline*: inpatient to inpatient transfers)

Lower Mainland: (604) 215-5911

All other in BC: 1 (866) 233-2337

Nephrologists

Contact BCPRA, bcpra@bcpra.ca

Vascular Access Surgeons Updated April 2010

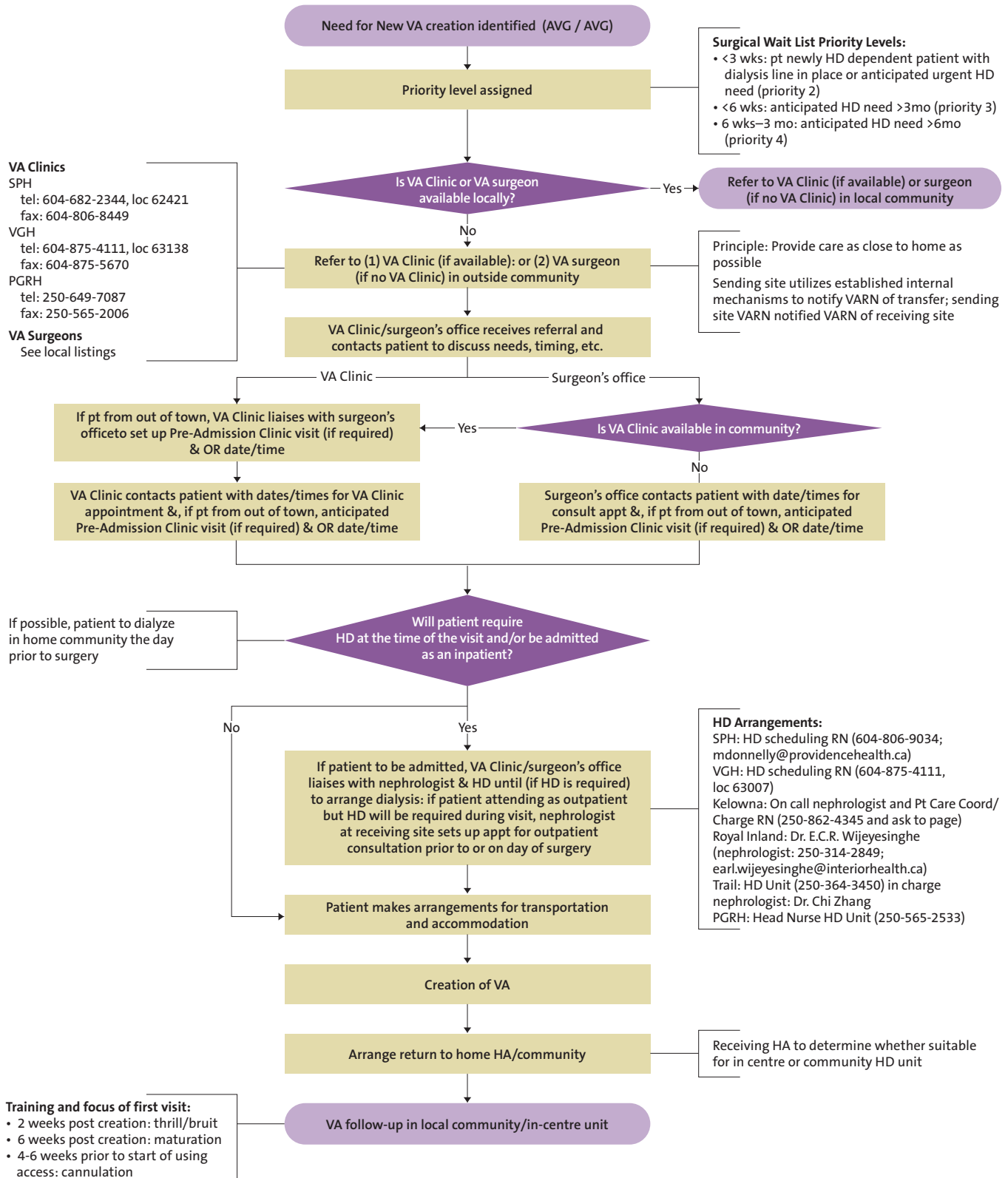
HA	HD CENTRE	NAME	TELEPHONE	PAGER/CELL	E-MAIL
IHA	KGH	Robert Ellett	(250) 762-7731	(250) 862-4000; to page	rellett@shaw.ca
IHA	KGH	Stephan Mostowy	(250) 762-7731	(250) 862-4000; to page	stephan.mostowy@gmail.com
IHA	KGH	Jeff Pasenau	(250) 762-7731	(250) 862-4000; to page	jeff@pasenau.com
IHA	RIH	Aristotle Azad		(250) 374-5111; to page	AZAA@mox.interiorhealth.ca
FHA	RCH	Kamyar Kazemi	(604) 521-3917		Kamyar.Kazemi@fraserhealth.ca
FHA	Abbotsford	Peter Fry	(604) 534-7515		peter.fry@fraserhealth.ca
FHA	Abbotsford	Matthew Smith	(604) 534-7515		matthew.smith@fraserhealth.ca
FHA	Abbotsford	Greg Lewis	(604) 852-0238		Greg.Lewis@fraserhealth.ca
FHA	SMH	Mohammud Sharif	(604) 588-1144		
FHA	RCH/SMH	Dennis Toppin	(604) 525-6232		
FHA	RCH	George Vrabec	(604) 525-6411		George.VrabecSR@fraserhealth.ca
VCH	VGH	Keith Baxter	(604) 875-5538		
VCH	VGH	Jerry C Chen	(604) 875 5535		
VCH	VGH	Joel Gagnon	(604) 875 5819		
VCH	VGH	York N Hsiang	(604) 876 5882		
VCH	VGH	Anthony J Salvian	(604) 874 0532		
VCH	VGH	David C Taylor	(604) 875 5540		
VCHA	SPH	Peter Shaun MacDonald	(604) 806-8698	54721 (int)	
VCHA	SPH	John David Reid	(604) 806-8698, ext 173111		
VCHA	SPH	Ravi Sidhu	(604) 806-8698	54909 (int)	
VIHA	RJH/Vic Gen	Peter Kuechler	(250) 592-4313		
VIHA	RJH/Vic Gen	Shung Lee	(250) 384-8154		
NHA	PGRH	Ramesh Lokanathan	(250) 561-2700	(250) 561-6127	
NHA	PGRH	Louie Palerme	(250) 562-3396	(250) 561-6107	
PHSA	BCCH	Andrew Campbell	(604) 875-3165	(604) 877-5962	acampbell@cw.bc.ca

Vascular Access Interventional Radiologists Updated April 2010

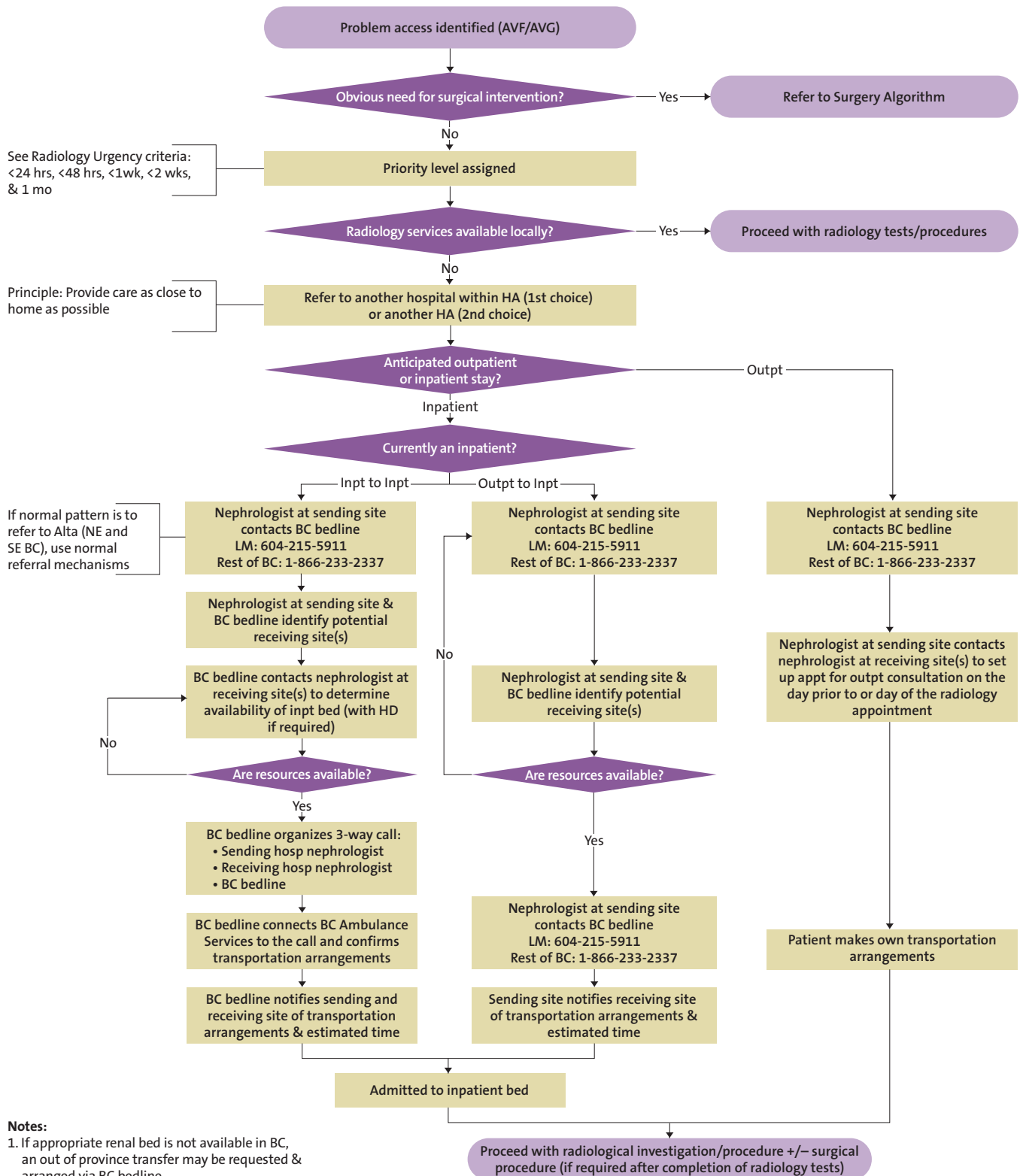
HA	HD CENTRE	NAME	TELEPHONE	PAGER/CELL	E-MAIL
IHA	RIH	Stephen Fache	(250) 374-5111; to page		
IHA	KGH	Paul Kurkjian	(250) 862-4454; to page		paul.kurkjian@interiorhealth.ca
IHA	KGH	Wayne Tonogai	(250) 862-4454; to page		Wayne.Tonogai@interiorhealth.ca
IHA	KGH	Timothy Wall	(250) 862-4454; to page		Timothy.Wall@interiorhealth.ca
FHA	RCH	Jason Chew	(604) 520-4266		
FHA	SMH	Don Coish	(604) 588-3368		Don.Coish@fraserhealth.ca
FHA	SMH	Guy Eriksen	(604) 588-3305		Guy.Eriksen@fraserhealth.ca
FHA	RCH	Brad Halkier	(604) 520-4266		
FHA	RCH	William Siu	(604) 520-4266		
FHA	SMH	Earl Tregobov	(604) 588-3305		Earl.Tregobov@fraserhealth.ca
FHA	RCH	P. Uhrich	(604) 520-4266		
FHA	RCH	Robert VanWiltenburg	(604) 520-4266		Robert.VanWiltenburg@fraserhealth.ca
VCH	VGH	Stephen Ho	(604) 875 5253		
VCH	VGH	Gerald M Legiehn	(604) 875 4111, loc 63711		
VCH	VGH	David Liu	(604) 875-4111, loc 63755		
VCH	VGH	Mike Martin (UBC)	(604) 822-7076		
VCH	VGH	Chris Morris	(604) 875 4111, loc 63016		
VCH	VGH	Peter Munk	(604) 875 4111, loc 63735		
VCHA	SPH	Jason Clement	(604) 682-2344, loc 65076		
VCHA	SPH	David Fenton	(604) 682-2344, loc 65076		
VCHA	SPH	Philip Harrison	(604) 682-2344, loc 65076		
VIHA	RJH/Vic Gen	Doug Connell			
VIHA	RJH/Vic Gen	Brian Goodacre			
VIHA	RJH/Vic Gen	Shane Greek	(250) 370-8272		
VIHA	RJH/Vic Gen	Walt Hodgins			
VIHA	RJH/Vic Gen	Mike Huk			
VIHA	RJH/Vic Gen	Rick Smith			
VIHA	RJH/Vic Gen	Ian Weir			
PHSA	BCCH	Maraj (Raj) Heran	(604) 875-2132		mheran@cw.bc.ca
PHSA	BCCH	Ashley Robinson	(604) 875-2132		arobinson2@cw.bc.ca

ALGORITHMS

Algorithm 1: New Vascular Access Creation



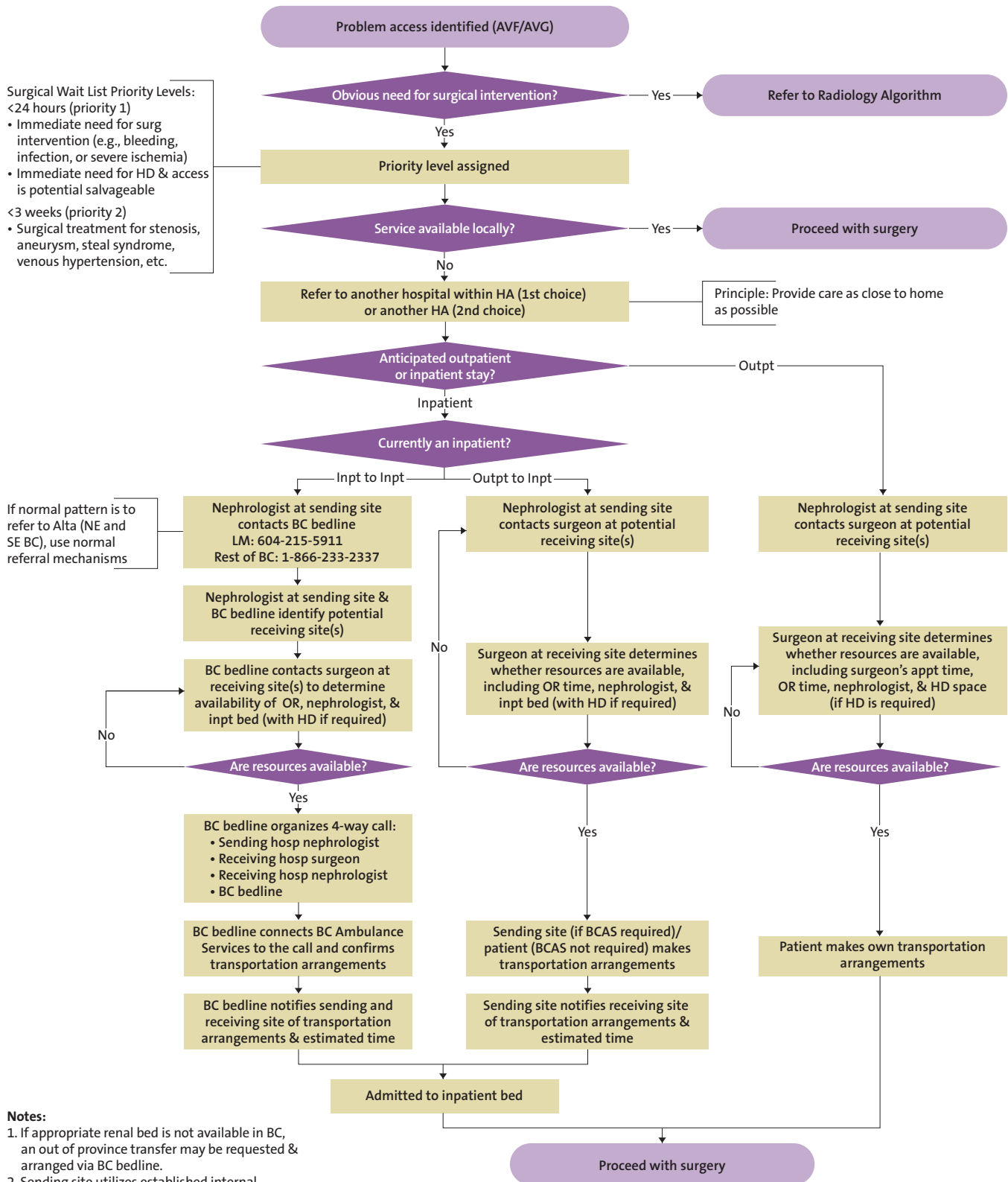
Algorithm 2: Problem Accesses – Radiology Referral



Notes:

1. If appropriate renal bed is not available in BC, an out of province transfer may be requested & arranged via BC bedline.
2. Sending site utilizes established internal mechanisms to notify VA RN of transfer; sending site VA RN notifies VA RN of receiving site.

Algorithm 3: Problem Accesses – Surgery Referral





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BC Provincial Renal Agency
Suite 700–1380 Burrard Street
Vancouver, BC V6Z 2H3
T 604.875.7340
F 604.875.7366
E bcpra@bcpra.ca
www.bcrenalagency.ca