

DAVINCI by Intuitive

# Da Vinci<sup>®</sup> Skills Tracker for Residents and Fellows



## Introduction

The da Vinci Skills Tracker for Residents and Fellows is designed to provide a comprehensive, phased approach to training on da Vinci Surgical Systems. This guide allows learners to track their online, simulation, and case activities throughout their residency or fellowship experience.

Phases in the guide include:

**Phase 1**  
Introduction to da Vinci

**Phase 2**  
Da Vinci Skills Drills Training

**Phase 3**  
Intra-operative and advanced skills application

**Phase 4**  
Da Vinci Case Participation  
(Training Equivalency Certificate Pathway)

**Resourced to Support Your Transition-to-Practice**



## Phase 1. Introduction to da Vinci

Complete da Vinci surgical system online training, for residents and fellows				Date
<b>Selected source</b>	<b>da Vinci Online Community</b>	<b>Fundamentals of Robotic Surgery (FRS)</b>		
<b>Surgical system</b>	Da Vinci Xi®	Da Vinci X®	Da Vinci Si®	Other: _____
<b>Resources</b>	<ul style="list-style-type: none"> <li>· Create a user account: on the da Vinci Online Community: <a href="http://davincisurgerycommunity.com">davincisurgerycommunity.com</a></li> <li>· View <b>da Vinci Online Community</b> training videos specific to your da Vinci system</li> <li>· If selected source is FRS, access <a href="http://www.frsurgery.org">www.frsurgery.org</a></li> </ul>			

Alternatively, da Vinci training videos are available through **FRS**, a multi-center project that aims to create a competency-based program. Their online training can be accessed through the website, which also contains a contact form for submitting any questions regarding the FRS curriculum.

Review two full-length procedure videos		Date
<b>Video 1 procedure</b>		
<b>Video 2 procedure</b>		
<b>Resources</b>	Search and access videos and procedure cards in the <b>da Vinci Online Community</b>	

Complete da Vinci system overview in-service training		Date
<b>Session 1:</b> System component overview, docking, port placement		
<b>Session 2:</b> Port placement (repeat for practice), docking (repeat), EndoWrist® instrument overview, surgeon console overview		
<b>Session 3:</b> Surgeon console overview (repeat), emergency procedures, powering off system		
<b>Resources</b>	Access guides in the <b>da Vinci Online Community</b> : <ul style="list-style-type: none"> <li>· Da Vinci Si System Overview In-service guide (PN 210262)</li> <li>· Da Vinci Xi System Overview In-service Guide (PN 1007572)</li> <li>· Da Vinci X System Overview In-Service Guide (PN 1033885)</li> </ul>	



# Phase 1.

## Introduction to da Vinci

Complete da Vinci surgical system online assessment					Date
<b>Da Vinci system</b>	Da Vinci Xi®	Da Vinci X®	Da Vinci Si®	Other: _____	
<b>Resources</b>	Print certificate in the <b>da Vinci Online Community</b> "How to Print a Certificate" Quick Reference Guide (PN 1015165)				

Complete da Vinci skills simulator exercises				
If SimNow is available, create a Link profile to track performance through their online dashboard.				
Focused skill	Exercise	Score 1 / Date 1	Score 2 / Date 2	Score 3 / Date 3
EndoWrist manipulation	Thread the rings			
	Matchboard 1			
Camera control	Camera targeting 1			
Energy control	Energy switching 1			
Needle driving	Suture sponge 1			
<b>Resources</b>	Access guides in the <b>da Vinci Online Community</b> : · For da Vinci Xi/da Vinci Si systems: Skills Simulator Setup (PN 552269-02) · For da Vinci Xi system: Skills Simulator Remote User Interface (PN 552270-02) · Create a SimNow Link Account (PN 1049549)			



## Phase 2. Da Vinci skills drills training

Complete da Vinci skills drills practicum		Score	Date
<b>Session 1:</b> da Vinci training exercise setup, instrument manipulation, suturing - practice			
<b>Session 2:</b> da Vinci training exercise setup, instrument manipulation, suturing - evaluation			
<b>Resources</b>	Access guide in the <b>da Vinci Online Community:</b> da Vinci Surgeon Skills Drills Practicum & Setup Guide (PN 873872)		

Complete da Vinci skills simulator exercises (additional practice)				
Focused skill	Exercise	Score 1 / Date 1	Score 2 / Date 2	Score 3 / Date 3
Endowrist Manipulation	Thread the rings			
	Matchboard 1			
	Three-arm relay (da Vinci Xi® only)			
Camera control	Camera targeting 1			
	Camera targeting 2			
Energy control	Energy switching 1			
	Energy switching 2			
Needle driving	Suture sponge 1			
	Suture sponge 2			
<b>Resources</b>	Access guides in the <b>da Vinci Online Community:</b> <ul style="list-style-type: none"> <li>· Skills simulator metrics definitions and feedback guide (PN 1000907)</li> <li>· For da Vinci Xi/da Vinci Si systems: Skills simulator setup (PN 552269-02)</li> <li>· For da Vinci Xi system: Skills simulator remote user interface (PN 552270-02)</li> <li>· Create a SimNow Link Account (PN 1049549)</li> </ul>			

Complete da Vinci case observations		Date
<b>Procedure 1</b>		
<b>Procedure 2</b>		
<b>Resources</b>	Search and access videos and procedure cards in the <b>da Vinci Online Community</b>	



### Phase 3. Intra-operative and advanced skills application

Complete da Vinci online advanced instrument course and assessment		Date
<b>Da Vinci system/ technology</b>		
<b>Assessment</b>	Yes, completed	No
<b>Resources</b>	<ul style="list-style-type: none"> <li>Print a certificate in the <b>da Vinci Online Community</b>: "How to Print a Certificate" Quick Reference Guide (PN 1015165)</li> </ul>	

Complete da Vinci surgeon skills drills practicum & setup guide: suturing		Date
<b>Session 1</b>	Suturing, and Suturing: luminal closure	
<b>Session 2</b>	Advanced suturing	
<b>Resources</b>	Access guide in the <b>da Vinci Online Community</b> : da Vinci Surgeon Skills Drills Practicum & Setup Guide (PN 873872)	

Complete da Vinci skills simulator exercises (additional practice)				
Focused skill	Exercise	Score 1 / Date 1	Score 2 / Date 2	Score 3 / Date 3
EndoWrist manipulation	Matchboard 1			
	Matchboard 2			
	Three-arm relay (da Vinci Xi only)			
Camera control	Camera targeting 1			
	Camera targeting 2			
Energy control	Energy switching 1			
	Energy switching 2			
Needle driving	Suture sponge 1			
	Suture sponge 2			
<b>Resources</b>	Access guides in the <b>da Vinci Online Community</b> : <ul style="list-style-type: none"> <li>Skills simulator metrics definitions and feedback guide (PN 1000907)</li> <li>For da Vinci Xi/da Vinci Si systems: Skills simulator setup (PN 552269-02)</li> <li>For da Vinci Xi system: Skills simulator remote user interface (PN 552270-02)</li> <li>Create a SimNow Link Account (PN 1049549)</li> </ul>			

**Perform da Vinci procedures in primary role of bedside assistant (log in next section)**  
 (Five procedures at minimum; 10 required for training equivalency certificate)



## Phase 4.

### Da Vinci case participation

(Training equivalency certificate pathway)

**Perform da Vinci procedures in primary role of bedside assistant**  
 (Five procedures at minimum; 10 required for training equivalency certificate)

Learners can log all of their da Vinci cases to the da Vinci Case Tracker in the da Vinci Surgery Community  
 (Log-in > Click **User Name** > Click **My Cases**)

	Procedure	Proctor/Attending	% of Case as Bedside Assistant	Comments	Date
Dry run					
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					



## Phase 4.

### Da Vinci case participation

(Training Equivalency Certificate Pathway)

**Perform da Vinci procedures in primary role of console surgeon**  
 (Ten procedures at minimum; 20 required for training equivalency certificate)

	Procedure	Proctor/Attending	% of Case as Console Surgeon (>50%)	Comments	Date
Dry run					
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					





## Phase 4. Da Vinci case participation

(Training equivalency certificate pathway)

Submit completed da Vinci skills tracker to program director		Date
Submitted to		

Solicit letter of verification attesting to da Vinci system training and procedures completed from chief of surgery or program director. <small>(If training equivalency certificate is desired; see Resources section below for complete requirements.)</small>		Date
Submitted to		
Resources	Access training equivalency requirements in the <b>da Vinci Online Community</b> : · Data Sheet, da Vinci residency & fellowship training equivalency certificate requirements (PN 210352) · Find letter template: Resident & fellow training equivalency letter template (PN 210354) · Da Vinci Case Tracker One Pager (PN Document Currently in Development)	

## Agreement

I certify the accuracy of resident/fellow participation in the activities as outlined above:

Resident/Fellow		
Print name	Signature	Date

Attending physician/Program director		
Print name	Signature	Date



## Resources to support your transition to practice

### Complete da Vinci technology online advanced instrument course and assessment

The da Vinci Job Board is designed to connect residents and fellows with prospective employers that offer da Vinci surgery. Learners can showcase their experience, search for the latest job openings, and connect with hiring managers.

You can access the Job Board by logging into the **da Vinci Surgery Online Community** and clicking Community → Job Board

Learners can log all of their da Vinci cases to the da Vinci Case Tracker in the da Vinci Surgery Community (Log-in > Click User Name > Click **My Cases**)

**Resources**

· Job Board One-Pager for Job Seekers (PN 1042784)

### A guide for graduating residents and fellows

This resource was designed to provide graduating fellows with a sample of topics to consider when researching prospective da Vinci programs that fit their individual needs.

· A helpful checklist covers topics such as program background, advanced technology, da Vinci system access, and continued education support that are important in selecting a program that matches the needs of the resident/fellow.

**Resources**

A guide for graduating residents and fellows (PN 1034479)



## Important safety information

Serious complications may occur in any surgery, including da Vinci® Surgery, up to and including death. Examples of serious or life-threatening complications, which may require prolonged and/or unexpected hospitalization and/or reoperation, include but are not limited to, one or more of the following: injury to tissues/organs, bleeding, infection and internal scarring that can cause long-lasting dysfunction/pain.

Risks specific to minimally invasive surgery, including da Vinci® Surgery, include but are not limited to, one or more of the following: temporary pain/nerve injury associated with positioning; a longer operative time, the need to convert to an open approach, or the need for additional or larger incision sites. Converting the procedure could result in a longer operative time, a longer time under anesthesia, and could lead to increased complications. Contraindications applicable to the use of conventional endoscopic instruments also apply to the use of all da Vinci instruments.

For Important Safety Information, indications for use, risks, full cautions and warnings, please also refer to <http://www.davincisurgery.com/safety> and [www.intuitivesurgical.com/safety](http://www.intuitivesurgical.com/safety).

Individuals' outcomes may depend on a number of factors, including but not limited to patient characteristics, disease characteristics and/or surgeon experience.

### Limitations of Training & Proctoring

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