The American Society of Diagnostic and Interventional Nephrology

Application for Certification

Hemodialysis Vascular Access Procedures

SPECIAL NOTE: DO NOT SEND PATIENT IDENTIFIERS IN ANY OF THE PAGES SUBMITTED. PLEASE REVIEW CASE/PROCEDURE NOTES AND ALL DOCUMENTATION TO ASSURE THAT PATIENT NAMES ARE REMOVED.

YOUR APPLICATION WILL BE RETURNED TO YOU AND WILL NOT BE PROCESSED UNTIL AN APPLICATION WITHOUT PATIENT IDENTIFIERS IS SUBMITTED.
The American Society of Diagnostic and Interventional Nephrology
Application for Certification in Interventional Nephrology

Hemodialysis Vascular Access Procedures

This application packet is composed of several parts:
- Requirements for certification
- Application for certification form
- Peer reference letter form
- Case Index Example

Checklist (check all that are included with application)
- Completed application form
- Case records formatted as described
- Index of cases submitted**
- Peer reference letters (to be submitted directly to ASDIN)
- Letter documenting basis for certification (training or experience)
- Application fee ($500/members or $750/non-members*)

*Non-member fee includes ASDIN membership for remainder of membership year from date of certification application.
** Index of cases not required for certification in Tunneled hemodialysis catheter procedures only.

Certification in the following areas is requested (check appropriate boxes):
- Hemodialysis vascular access procedures (broad area, excluding those marked by asterisk below)
  - Tunneled hemodialysis catheter procedures (all)
    - Tunneled hemodialysis catheter insertion
    - Tunneled hemodialysis catheter removal
    - Tunneled hemodialysis catheter exchange
  - Hemodialysis vascular access endovascular procedures (all)
    - Vascular access angiography
    - Vascular access angioplasty
    - Vascular access thrombolysis/thrombectomy
  - Endovascular stent placement*
  - Obliteration of accessory veins (fistula side branches)*
  - Subcutaneous port placement*
- Tunneled hemodialysis catheter procedures only

* These are included in broad category but with special requirements as noted. If special requirements for these are not met at time of initial application, these advanced procedures may be added within one year of the original HVA application or at the time of recertification for an additional fee of $100.

Basis for certification (check one)
- Formal training program
- Practice experience

Two copies of the application and all documentation should be submitted to the ASDIN office. Copies should include one of the following: a) two paper copies, OR b) one paper copy and one cd rom copy, OR c) one paper copy and one copy sent electronically to info@asdin.org.

Revised 09/19/12
The American Society of Diagnostic and Interventional Nephrology Application for Certification in Interventional Nephrology

Hemodialysis Vascular Access Procedures

General

Certification is available in either the broad category of Interventional Nephrology which includes both the basic vascular access categories of dialysis catheters and endovascular procedures on peripheral access, or in either one of these two basic categories. In addition, there are three advanced procedures with special requirements for which certification is also available as an addendum to the basic category to which they relate. To request certification in a specific category, only those requirements that apply to that category will need apply.

Hemodialysis vascular access procedures (broad area) which includes both:
  o Tunneled hemodialysis catheter procedures
  o Hemodialysis vascular access endovascular procedures

Tunneled hemodialysis catheter procedures which includes:
  o Tunneled hemodialysis catheter insertion
  o Tunneled hemodialysis catheter removal
  o Tunneled hemodialysis catheter exchange

Hemodialysis vascular access endovascular procedures which includes:
  o Vascular access angiography
  o Vascular access angioplasty
  o Vascular access thrombolysis/thrombectomy

Advanced procedures for which there are special requirements:
  o Subcutaneous port placement (in addition to the tunneled catheter category)
  o Endovascular stent placement (in addition to the endovascular procedures category)
  o Obliteration of accessory veins (in addition to the endovascular procedures category)

Training and Experience Requirements

In order to fulfill the requirements for certification, the applicant must provide documentation that they:

1. are currently certified by the American Board of Internal Medicine in Nephrology, American Board of Radiology, or American Board of Surgery
   [No exception will be granted for Board certification or recertification that is pending.]

2. continue to practice as an Interventional Nephrologist, Interventional Radiologist or Surgeon
3. completed the formal training program requirements listed under paragraphs A – C below, OR have practiced as an Interventional Nephrologist for a period of not less than one year during which time no less than one-hundred twenty-five (125) procedures have been successfully completed as primary operator in the following categories:
   a. Angiography of peripheral hemodialysis vascular access – 25 cases including both grafts and fistulas
   b. Angioplasty of peripheral hemodialysis vascular access – 25 cases including both grafts and fistulas
   c. Thrombolysis/thrombectomy of peripheral hemodialysis vascular access – 25 cases including both grafts and fistulas
   d. Tunneled long-term catheter procedures – 25 cases**, of which at least 13 cases must be de novo placements and the remainder may be catheter exchanges.
   e. Placement of endovascular stents – 5 cases*
   f. Obliteration of accessory veins (fistula side branches) – 5 cases*
   g. Insertion of subcutaneous ports – 5 cases*

§ Please note that a total of one-hundred twenty-five (125) interventional procedures in categories a - d above must be completed within the preceding 24 calendar months of the submission of the application for certification. Although 25 procedures of each category must be completed in items a - d, totaling 100 procedures, the additional twenty-five procedures required may be any combination of procedures from category a – d above (Applicant’s Choice).

¥ For those certifying through a formal training program, “Primary operator” is defined as independent performance of the procedure from start to finish and that the supervising interventionalist has deemed the applicant competent to proceed independently with the cases.

* These are considered to be advanced procedures; it is possible to be certified in the broad category exclusive of these procedures. If special requirements for these are not met at time of initial application, these advanced procedures may be added within one year of the original HVA application or at the time of recertification for an additional fee of $100.

** For certification in tunneled hemodialysis catheter procedures only, only item 3d is applicable. All tunneled catheter cases submitted to satisfy case record requirement below must be de novo placements. No exchange cases will be accepted.

**Formal Training Program Requirements**

Training in Interventional Nephrology must involve a formal training program with the following characteristics:

- A qualified faculty
- A defined curriculum including didactic instruction as described below
- Hands on training as described below
- A formal mechanism for student evaluation

**A. Didactic training:**

Training in Interventional Nephrology must include, as a minimum, a period of didactic training sufficient to cover:
• Basic anatomy related to hemodialysis vascular access
• Physical examination of the vascular access
• Radiation safety, imaging equipment, imaging techniques
• Basic tools and procedures of Interventional Nephrology
• Surveillance techniques and monitoring for venous stenosis
• Sedation – Analgesia
• Angioplasty of dialysis vascular access
• Thrombolysis/thrombectomy of dialysis vascular access
• Diagnosis and management of complications of endovascular techniques
• Endovascular stents – indications, procedures, complications
• Basic surgical techniques and management of complications
• Hemodialysis catheters - types, indications, procedures

B. Hands on training:
Training in Interventional Nephrology must include, as a minimum, a period of active hands on training sufficient to provide clinical competence in the basic procedures being performed. This must include, as a minimum, one hundred twenty-five (125) procedures in the following categories:

a. Angiography - The applicant must have satisfactorily performed, as the primary operator, complete angiographic procedures designed to study peripheral hemodialysis vascular access in 25 (twenty-five) patients under the supervision of a qualified interventionist. This should include fistula cases as well as patients with AV grafts.

b. Angioplasty - The applicant must have satisfactorily performed, as the primary operator, angioplasty procedures on the hemodialysis vascular access in 25 (twenty-five) patients under the supervision of a qualified interventionist. This should include fistula cases as well as patients with AV grafts.

c. Thrombolysis/thrombectomy - The applicant must have satisfactorily performed, as the primary operator, thrombolysis/thrombectomy procedures on the thrombosed hemodialysis vascular access in 25 (twenty-five) patients under the supervision of a qualified interventionist. This should include fistula cases as well as patients with AV grafts.

d. Tunneled long term hemodialysis catheters - The applicant must have satisfactorily performed, as the primary operator, the placement of tunneled long-term hemodialysis catheters in (10) patients under the supervision of a qualified interventionalist.

e. Endovascular stents* - The applicant must have satisfactorily performed, as the primary operator, the placement of endovascular stents in 5 (five) patients under the supervision of a qualified interventionalist.

f. Obliteration of accessory veins (fistula side branches)* - The applicant must have satisfactorily performed, as the primary operator, the obliteration of accessory veins in 5 (five) patients under the supervision of a qualified interventionalist.

g. Subcutaneous ports* - The applicant must have satisfactorily performed, as the primary operator, the placement of subcutaneous ports in 5 (five) patients under the supervision of a qualified interventionalist.

§ Please note that a total of one-hundred twenty-five (125) interventional procedures in categories a - d above must be completed within the preceding 24 calendar months of the submission of the application for certification. Although specific minimum procedures of each category must be completed in items a - d, totaling 85 procedures, the additional forty (40) procedures required may be any combination of procedures from category a – d above (Applicant’s Choice).

* These are considered to be advanced procedures; it is possible to be certified in the broad category exclusive of these procedures. If special requirements for these are not met at time of initial
application, these advanced procedures may be added within one year of the original HVA application or at the time of recertification for an additional fee of $100.

C. Letter documenting training:
The applicant who is applying for certification based upon fellowship training or other formal training program must submit a letter documenting the satisfactory completion of the above listed training requirements signed by the physician who was in charge of the Interventional Nephrology training program, submitted directly to ASDIN by the training director.
Certification Based Upon Clinical Experience

Certification based upon clinical experience is available. In order to qualify under this provision, the applicant must provide a letter with their application verifying that they meet all of the requirements listed above under the section on Training and Experience Requirements.

Clinical Expertise

Each applicant must demonstrate their clinical expertise by submitting records demonstrating their ability to diagnose problems, individualize treatment, perform procedures, and recognize and manage complications appropriately.

Case Records:
Records documenting the following successful cases must be submitted:

- **AV Grafts**
  - Angiography – 10 cases
  - Angioplasty – 10 cases
  - Thrombolysis/thrombectomy – 10 cases

- **AV Fistulae**
  - Angiography – 10 cases
  - Angioplasty – 10 cases
  - Thrombolysis/thrombectomy – 2 cases

- **Tunneled hemodialysis catheters**
  - Placement of 10 tunneled catheters

- **Endovascular stents**
  - Placement of 3 endovascular stents

- **Accessory vein (fistula side branch) obliteration**
  - Performance of 3 surgical procedures

- **Subcutaneous ports**
  - Placement of 3 ports

* These are considered to be advanced procedures; it is possible to be certified in the basic category exclusive of these procedures. If special requirements for these are not met at time of initial application, these advanced procedures may be added within one year of the original HVA application or at the time of recertification for an additional fee of $100.

** For certification in tunneled hemodialysis catheter procedures only, only ten (10) case records of these procedures are required but case records submitted must be de novo placements. No exchange
cases will be accepted.

**Format for case records:** In submitting records to demonstrate the applicant’s ability to diagnose problems, individualize treatment, perform procedures, and recognize and manage complications appropriately, the following format should be followed:

1. Case identification use case numbers
   i.e., Angioplasty Case #1, Thrombectomy Case #1, etc. (do not use patient names)
2. Indications for procedure
3. Explanation for choice of procedure used
4. Details of procedure (operative note will suffice)
5. Description of any complications encountered
6. Description of management of complication, if encountered
7. Outcome of procedure

PLEASE NOTE: Only original case notes with patient identifiers removed should be submitted. DO NOT RETYPE or REPRODUCE case notes.

In addition, an **index of the cases submitted must be provided**. This index should list the categories of cases being submitted (angiogram, angioplasty, thrombectomy, etc) followed by the number of the case that is being submitted to fulfill the requirement for that category. Please note that an individual case may be fulfilling the requirement for more than one category. For example a thrombectomy case includes an angiogram and an angioplasty in most instances. (see recommended format for case index at end of application)

** Index of cases not required for certification in Tunneled hemodialysis catheter procedures only.

**Peer References**
Each applicant must provide two letters of reference from peers that are familiar with their Interventional Nephrology practice. Only one of these letters can be from a current professional associate. In the case of an applicant using training and experience gained during fellowship or other formal training program to fulfill the requirements for certification, one letter must be from the director of the applicant’s Interventional Nephrology training program. At least one Peer must indicate they have had direct knowledge of the applicant’s completion of one-hundred twenty-five (125) interventional procedures with at least the minimum numbers specified in the following categories:

25 Angiograms
25 Angioplasties
25 Thrombectomies
25 Tunneled Catheter Cases (a minimum of 13 de-novo placements, no more than 12 exchanges)**

**If you are applying for Tunneled Catheter Procedures Only, your peer reference letters need to reflect only those twenty-five (25) required placement cases in the required item. It is not necessary to complete the Angiograms, Angioplasties or Thrombectomies sections for the Tunneled Catheter Procedures Only certification.

The attached form letter should be used for that purpose. All reference letters should be submitted directly to ASDIN and not by the applicant.

**Grievance Resolution**
If the applicant fails certification, the chair of the ASDIN Certifications Committee will provide the applicant with resolution options. Minor problems with the application may be resolved by phone discussion and resubmitting the application. Major problems may require further remedial training or interventional experience in which case the applicant will have one year to resubmit cases for review. If the applicant accomplishes this work within one year the application fee will not have to be resubmitted (less a $150 processing fee). Reapplication after one year will require a new application fee. If the applicant does not agree with the committee’s recommendation for resolution, the applicant may appeal to the ASDIN Grievance Committee.

**Application Fee**

A fee of **$500 for members or $750 for non-members** must accompany the application. This fee is nonrefundable. Checks should be made payable to The American Society of Diagnostic and Interventional nephrology. This fee is to cover the expense of processing the application. Please mail application and fee to:

**ASDIN**
134 Fairmont Street, Suite B
Clinton, Mississippi 39056
The American Society of Diagnostic and Interventional Nephrology
HVA - Application for Certification

**Basis for certification:**

(check one) □ Formal Training Program  □ Practice experience

**Identifying Information**

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**Practice Information**

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**Type of Practice:**

□ Private practice  □ Academic medicine

**Medical School**

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**Graduate Medical Education** (List internship, residency and fellowship in chronological order)

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**Identify Type of Program:**

□ Internship  □ Residency  □ Fellowship
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**Identify Type of Program:**

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**Identify Type of Program:**

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- [ ] Residency
- [ ] Fellowship

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**Pertinent Training** *(Fellowship, didactic, and practical)*

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Revised 09/19/12
## Pertinent Experience

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## Medical Facility Affiliations (List only current)

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**Peer Recommendations**

(Please list two peers who are familiar with your training and/or practice experience that you have asked to send a letter of recommendation on your behalf. Please refer to the Peer Reference Section on page 7 for specific peer requirements.

_____________________________________________________________________
Name of Doctor
_____________________________________________________________________
City, State, Zip Code
_____________________________________________________________________
Name of Doctor
_____________________________________________________________________
City, State, Zip Code

**Signature**

I certify that the information contained herein is correct and complete to the best of my knowledge.

_____________________________________________________________________
Signature Date

_____________________________________________________________________
Telephone Number Facsimile Number Email Address
The American Society of Diagnostic and Interventional Nephrology
Letter of Peer Recommendation

To Whom It May Concern:  
Date: ____________________

I understand that ______________________________ has applied for certification in Diagnostic and interventional Nephrology. I have been asked to provide a letter of reference as part of the documentation required for this process.

I have known the applicant for _____ years. My relationship to the applicant during this time has been as ________________________________.

I have direct knowledge of the applicant’s medical practice activity in Interventional Nephrology:
___ Yes ___ No

I also have direct knowledge of the applicant’s completion of the following:
(Please specify number for each – must be at least the required number)
DO NOT PUT CHECKMARKS – THERE MUST BE A NUMBER ENTERED
One Hundred Twenty-Five Interventional Procedures (125 required)**
___ Angiograms (minimum of 25)
___ Angioplasties (minimum of 25)
___ Thrombectomies (minimum of 25)
___ Tunneled Catheter Cases (minimum 25 cases**, of which at least 13 cases must be de novo placements and the remainder may be catheter exchanges)
___ Total Interventional Procedures (125 required)**

**If you are applying for Tunneled Catheter Procedures Only, your peer reference letters need to reflect only those twenty-five (25) required cases in the required item. It is not necessary to complete the total Interventional Procedures, Angiograms, Angioplasties or Thrombectomies sections for the Tunneled Catheter Procedures Only certification.

My knowledge is best described as ___ Minimal, ___ Moderate, ___ Detailed.

My knowledge is based upon ___ Direct observation, ___ Shared patients.

I would describe the applicant ________________________________ as having a high expertise in Interventional Nephrology ___ Yes ___ No.

Comments:
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________

Sincerely,
_______________________________________________
Name
_______________________________________________
Address
_______________________________________________
City, State, Zip Code

Revised 09/19/12
Case Index

SPECIAL NOTE: DO NOT SEND PATIENT IDENTIFIERS IN ANY OF THE PAGES SUBMITTED. PLEASE REVIEW CASE/PROCEDURE NOTES AND ALL DOCUMENTATION TO ASSURE THAT PATIENT NAMES ARE REMOVED. YOUR APPLICATION WILL BE RETURNED TO YOU AND WILL NOT BE PROCESSED UNTIL AN APPLICATION WITHOUT PATIENT IDENTIFIERS IS SUBMITTED.

Summary:

Number of graft cases submitted

Angiography cases ____ Angioplasty ____ Thrombectomy ____

Number of fistula cases submitted

Angiography cases ____ Angioplasty ____ Thrombectomy ____

Tunneled catheter placements submitted _____

Number of stent cases submitted _____

Number of accessory vein obliteration cases submitted _____

Number of port placement cases submitted _____

List of Cases:

Graft cases:  
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Fistula cases:  
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Tunneled catheter placements:

Case 41  
Case 42  
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