

*This content has neither been reviewed nor approved by MCG Health.*

## SHP Ellipsys Vascular Access System

AUTH: SHP Medical 318 v4 (AC)

**MCG Health**  
Ambulatory Care  
26th Edition

[Link to Codes](#)

- [Coverage](#)
- [Application to Products](#)
- [Authorization Requirements](#)
- [Description of Item or Service](#)
- [Exceptions and Limitations](#)
- [Clinical Indications for Procedure](#)
- [Document History](#)
- [Coding Information](#)
- [References](#)
- [Codes](#)

---

### Coverage

[Return to top of SHP Ellipsys Vascular Access System - AC](#)

See the appropriate benefit document for specific coverage determination. Member specific benefits take precedence over medical policy.

---

### Application to Products

[Return to top of SHP Ellipsys Vascular Access System - AC](#)

Policy is applicable to all products.

---

### Authorization Requirements

[Return to top of SHP Ellipsys Vascular Access System - AC](#)

Pre-certification by the Plan is required.

---

### Description of Item or Service

[Return to top of SHP Ellipsys Vascular Access System - AC](#)

The Ellipsys vascular access system uses a minimally invasive device to join the artery and vein together to create an Arteriovenous Fistula (AVF) guided by ultrasound and thermal energy.

---

### Exceptions and Limitations

[Return to top of SHP Ellipsys Vascular Access System - AC](#)

There is insufficient scientific evidence to support the medical necessity of this service as it is not shown to improve health outcomes upon technology review.

---

### Clinical Indications for Procedure

[Return to top of SHP Ellipsys Vascular Access System - AC](#)

- NA

---

### Document History

[Return to top of SHP Ellipsys Vascular Access System - AC](#)

- Revised Dates:
  - 2020: January
- Reviewed Dates:
  - 2023: January
  - 2022: February
  - 2021: February
  - 2020: April
- Effective Date: August 2019

---

### Coding Information

[Return to top of SHP Ellipsys Vascular Access System - AC](#)

- CPT/HCPCS codes covered if policy criteria is met:
  - None
- CPT/HCPCS codes considered not medically necessary per this Policy:
  - CPT 36836 - Percutaneous arteriovenous fistula creation, upper extremity, single access of both the peripheral artery and peripheral vein, including fistula maturation procedures (eg, transluminal balloon angioplasty, coil embolization) when performed, including all vascular access, imaging guidance and radiologic supervision and interpretation

- CPT 36837 - Percutaneous arteriovenous fistula creation, upper extremity, separate access sites of the peripheral artery and peripheral vein, including fistula maturation procedures (eg, transluminal balloon angioplasty, coil embolization) when performed, including all vascular access, imaging guidance and radiologic supervision and interpretation
- CPT 37799 - Unlisted procedure, vascular surgery

---

## References

[Return to top of SHP Ellipsys Vascular Access System - AC](#)

References used include but are not limited to the following:

Specialty Association Guidelines; Government Regulations; Winifred S. Hayes, Inc; Uptodate; Literature Review; Specialty Advisors; National Coverage Determination (NCD); Local Coverage Determination (LCD).

(2022). Retrieved Dec 19, 2022, from Hayes, Inc: <https://evidence.hayesinc.com/search?q=%257B%2522text%2522:%2522Ellipsys%2522,%2522title%2522:null,%2522termsource%2522:%2522searchbar%2522,%2522page%2522:%257B%2522page%2522:0,%2522size%2522:50%257D,%2522type%2522:%2522all%2522,%2522sources%2522:%255B%25>

(2022). Retrieved Dec 20, 2022, from Centers for Medicare and Medicaid Services: [https://www.cms.gov/medicare-coverage-database/search-results.aspx?](https://www.cms.gov/medicare-coverage-database/search-results.aspx?keyword=Ellipsys&keywordType=starts&areald=s53&docType=NCA,CAL,NCD,MEDCAC,TA,MCD,6,3,5,1,F,P&contractOption=all&sortBy=relevance)

[keyword=Ellipsys&keywordType=starts&areald=s53&docType=NCA,CAL,NCD,MEDCAC,TA,MCD,6,3,5,1,F,P&contractOption=all&sortBy=relevance](https://www.cms.gov/medicare-coverage-database/search-results.aspx?keyword=Ellipsys&keywordType=starts&areald=s53&docType=NCA,CAL,NCD,MEDCAC,TA,MCD,6,3,5,1,F,P&contractOption=all&sortBy=relevance)

(2022). Retrieved Dec 20, 2022, from AIM Specialty Health: <https://aimspecialtyhealth.com/>

(2022). Retrieved Dec 20, 2022, from National Comprehensive Cancer Network: <https://www.nccn.org/search-result?indexCatalogue=nccn-search-index&searchQuery=Ellipsys&wordsMode=AllWords>

(2022, Aug 31). Retrieved Dec 20, 2022, from MCG: <https://careweb.careguidelines.com/ed26/index.html>

Mallios, A., Malik, J., & Jennings, W. (2022, Oct 10). Endovascular Arteriovenous Fistula Creation-Review of Current Experience. Retrieved Dec 20, 2022, from PubMed: <https://pubmed.ncbi.nlm.nih.gov/36292137/>

Patient selection, education, and cannulation of percutaneous arteriovenous fistulae: An ASDIN White Paper. (2019, Oct 06). Retrieved Dec 20, 2022, from American Society of Diagnostic and Interventional Nephrology: [https://cdn.ymaws.com/www.asdin.org/resource/resmgr/positionpaper/ASDIN\\_EndoAVF.pdf](https://cdn.ymaws.com/www.asdin.org/resource/resmgr/positionpaper/ASDIN_EndoAVF.pdf)

Smets, M., & Bose, S. (2022, Apr 27). Percutaneous hemodialysis arteriovenous fistula. Retrieved Dec 20, 2022, from UpToDate: [https://www.uptodate.com/contents/percutaneous-hemodialysis-arteriovenous-fistula?search=Ellipsys%20Vascular&source=search\\_result&selectedTitle=1~150&usage\\_type=default&display\\_rank=1#H2676907022](https://www.uptodate.com/contents/percutaneous-hemodialysis-arteriovenous-fistula?search=Ellipsys%20Vascular&source=search_result&selectedTitle=1~150&usage_type=default&display_rank=1#H2676907022)

Medical Devices; Cardiovascular Devices; Classification of the Percutaneous Catheter for Creation of an Arteriovenous Fistula for Hemodialysis Access. (2022, Feb 18). Retrieved Dec 20, 2022, from Food and Drug Administration: <https://www.federalregister.gov/documents/2022/02/18/2022-03496/medical-devices-cardiovascular-devices-classification-of-the-percutaneous-catheter-for-creation-of>

---

## Codes

[Return to top of SHP Ellipsys Vascular Access System - AC](#)

**CPT® : 36836, 36837, 37799**

*CPT copyright 2022 American Medical Association. All rights reserved.*

---

MCG Health  
Ambulatory Care 26th Edition