Clinical Policy: Dabigatran (Pradaxa)

Reference Number: CP.PMN.49
Effective Date: 05.01.12
Last Review Date: 05.18
Line of Business: Medicaid

Revision Log

See Important Reminder at the end of this policy for important regulatory and legal information.

Description

Dabigatran (Pradaxa®) is a direct thrombin inhibitor.

FDA Approved Indication(s)

Pradaxa is indicated:

- To reduce the risk of stroke and systemic embolism in patients with non-valvular atrial fibrillation
- For the treatment of deep venous thrombosis (DVT) and pulmonary embolism (PE) in patients who have been treated with a parenteral anticoagulant for 5-10 days
- To reduce the risk of recurrence of DVT and PE in patients who have been previously treated
- For the prophylaxis of DVT and PE in patients who have undergone hip replacement surgery

Policy/Criteria

Provider must submit documentation (such as office chart notes, lab results or other clinical information) supporting that member has met all approval criteria.

It is the policy of health plans affiliated with Centene Corporation® that Pradaxa is **medically necessary** when the following criteria are met:

I. Initial Approval Criteria

A. Non-Valvular Atrial Fibrillation, Deep Venous Thrombosis, Pulmonary Embolism (must meet all)**:**

1. Member is being treated for one of the following conditions (a, b, or c):
   a. Reduce the risk of stroke and systemic embolism in member with NVAF;
   b. Treatment and risk reduction of DVT or PE;
   c. Prophylaxis of DVT or PE in those who have undergone hip replacement surgery;
2. Failure of a ≥ 30 day trial of warfarin (at up to maximally indicated doses), unless contraindicated or clinically significant adverse effects are experienced;
3. Failure of a ≥ 30 day trial of Eliquis and Xarelto (at up to maximally indicated doses), unless contraindicated or clinically significant adverse effects are experienced;
4. Dose does not exceed 300 mg/day (2 capsules/day).

Approval duration: 12 months

B. Other diagnoses/indications

1. Refer to CP.PMN.53 if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized).

II. Continued Therapy

A. Non-Valvular Atrial Fibrillation, Deep Venous Thrombosis, Pulmonary Embolism (must meet all)**:**
1. Currently receiving medication via Centene benefit or member has previously met initial approval criteria;
2. Member is responding positively to therapy;
3. If request is for a dose increase, new dose does not exceed 300 mg/day (2 capsules/day).

Approval duration: 12 months

B. Other diagnoses/indications (must meet 1 or 2)**:**
1. Currently receiving medication via Centene benefit and documentation supports positive response to therapy.
   Approval duration: Duration of request or 12 months (whichever is less); or
2. Refer to CP.PMN.53 if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized).

III. Diagnoses/Indications for which coverage is NOT authorized:

A. Non-FDA approved indications, which are not addressed in this policy, unless there is sufficient documentation of efficacy and safety according to the off label use policy – CP.PMN.53 or evidence of coverage documents.

IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key

CrCl: creatinine clearance
DVT: deep venous thrombosis
FDA: Food and Drug Administration
INR: international normalized ratio
NAVF: non-valvular atrial fibrillation
PE: pulmonary embolism

Appendix B: Therapeutic Alternatives

This table provides a listing of preferred alternative therapy recommended in the approval criteria. The drugs listed here may not be a formulary agent and may require prior authorization.

Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
Warfarin (Coumadin®)	Anticoagulation Varies	Varies
Eliquis® (apixaban)	**NVAF** 5 mg twice daily **Prophylaxis of DVT Following Hip or Knee Replacement Surgery** 2.5 mg twice daily **Treatment of DVT/PE** 10 mg twice daily for 7 days, then 5 mg twice daily	20 mg/day

Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
	Reduction in Risk of Recurrent DVT/PE 2.5 mg twice daily	
Xarelto® (rivaroxaban)	**NVAF** 20 mg/day **Prophylaxis of DVT Following Hip or Knee** Replacement Surgery 10 mg/day **Treatment of DVT/PE and Reduction in Risk of Recurrent DVT/PE** 15 mg twice daily for 21 days, then 20 mg/day	30 mg/day

Therapeutic alternatives are listed as Brand name® (generic) when the drug is available by brand name only and generic (Brand name®) when the drug is available by both brand and generic.

V. Dosage and Administration

Indication	Dosing Regimen	Maximum Dose
NVAF	For patients with CrCl >30 mL/min: 150 mg orally, twice daily For patients with CrCl 15-30 mL/min: 75 mg orally, twice daily	300 mg/day
Treatment of DVT and PE	For patients with CrCl >30 mL/min: 150 mg orally, twice daily after 5-10 days of parenteral anticoagulation	300 mg/day
Reduction in the risk of recurrence of DVT and PE	For patients with CrCl >30 mL/min: 150 mg orally, twice daily after previous treatment	300 mg/day
Prophylaxis of DVT and PE following hip replacement surgery	For patients with CrCl >30 mL/min: 110 mg orally first day, then 220 mg once daily	220 mg/day

VI. Product Availability

Capsules: 75 mg, 110 mg, 150 mg

VII. References

1. Pradaxa Prescribing Information. Ridgefield, CT: Boehringer Ingelheim Pharmaceuticals, Inc.; November 2015. Available at: https://www.pradaxa.com/. Accessed February 7, 2018.
2. Clinical Pharmacology [database online]. Tampa, FL: Gold Standard, Inc.; 2018. Available at: http://www.clinicalpharmacology-ip.com/. Accessed February 8, 2018.

3. Falck-Ytter Y, Francis CW, Johanson NA et al. Prevention of VTE in orthopedic surgery patients: Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines. Chest. 2012 Feb;141(2 Suppl):e278S-325S. doi: 10.1378/chest.11-2404.
4. Kearon C, Akl EA, Comerota AJ et al. Antithrombotic therapy for VTE disease: Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines. Chest. 2012 Feb;141(2 Suppl):e419S-94S. doi: 10.1378/chest.11-2301.
5. Wann LS, Curtis AB, Ellenbogen KA et al. 2011 ACCF/AHA/HRS focused update on the management of patients with atrial fibrillation (update on dabigatran): a report of the American College of Cardiology Foundation/American Heart Association Task Force on practice guidelines. J Am Coll Cardiol. 2011 Mar 15;57(11):1330-7. doi: 10.1016/j.jacc.2011.01.010. Epub 2011 Feb 14.

Reviews, Revisions, and Approvals	Date	P&T Approval Date
References updated to reflect current literature search.	05.13	05.13
Black box warning added to "Special Instructions" section. Updated references.	05.14	05.14
Updated FDA approved indications, updated criteria to include the additional indication and trail/fail of preferred factor Xa inhibitor.	05.15	05.15
Converted to new template; Added newly approved indication of prophylaxis of DVT or PE in those who have undergone hip replacement surgery; Updated references.	02.16	05.16
• Converted to new template • Removed age criteria as age is not an absolute contraindication per FDA labeling • Updated references	03.17	05.17
2Q 2018 annual review: listed out preferred agents Eliquis and Xarelto; changed optional trial of preferred Xa inhibitor or warfarin to trial of both; references reviewed and updated.	02.07.18	05.18

Important Reminder

This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional organizations; views of physicians practicing in relevant clinical areas affected by this clinical policy; and other available clinical information. The Health Plan makes no representations and accepts no liability with respect to the content of any external information used or relied upon in developing this clinical policy. This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved. "Health Plan" means a health plan that

has adopted this clinical policy and that is operated or administered, in whole or in part, by Centene Management Company, LLC, or any of such health plan's affiliates, as applicable.

The purpose of this clinical policy is to provide a guide to medical necessity, which is a component of the guidelines used to assist in making coverage decisions and administering benefits. It does not constitute a contract or guarantee regarding payment or results. Coverage decisions and the administration of benefits are subject to all terms, conditions, exclusions and limitations of the coverage documents (e.g., evidence of coverage, certificate of coverage, policy, contract of insurance, etc.), as well as to state and federal requirements and applicable Health Plan-level administrative policies and procedures.

This clinical policy is effective as of the date determined by the Health Plan. The date of posting may not be the effective date of this clinical policy. This clinical policy may be subject to applicable legal and regulatory requirements relating to provider notification. If there is a discrepancy between the effective date of this clinical policy and any applicable legal or regulatory requirement, the requirements of law and regulation shall govern. The Health Plan retains the right to change, amend or withdraw this clinical policy, and additional clinical policies may be developed and adopted as needed, at any time.

This clinical policy does not constitute medical advice, medical treatment or medical care. It is not intended to dictate to providers how to practice medicine. Providers are expected to exercise professional medical judgment in providing the most appropriate care, and are solely responsible for the medical advice and treatment of members. This clinical policy is not intended to recommend treatment for members. Members should consult with their treating physician in connection with diagnosis and treatment decisions.

Providers referred to in this clinical policy are independent contractors who exercise independent judgment and over whom the Health Plan has no control or right of control. Providers are not agents or employees of the Health Plan.

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Note: For Medicaid members, when state Medicaid coverage provisions conflict with the coverage provisions in this clinical policy, state Medicaid coverage provisions take precedence. Please refer to the state Medicaid manual for any coverage provisions pertaining to this clinical policy.