

NEUROONE MEDICAL TECHNOLOGIES CORPORATION
CHARTER OF THE NOMINATING AND CORPORATE GOVERNANCE
COMMITTEE
OF THE BOARD OF DIRECTORS

APPROVED BY THE BOARD OF DIRECTORS

June 20, 2025

PURPOSE AND POLICY

The primary purpose of the Nominating and Corporate Governance Committee (the “*Committee*”) of the Board of Directors (the “*Board*”) of NEUROONE MEDICAL TECHNOLOGIES CORPORATION, a Delaware corporation (together with its consolidated subsidiaries, the “*Company*”) shall be to (i) oversee the Company’s corporate governance functions on behalf of the Board; (ii) make recommendations to the Board regarding corporate governance issues; (iii) identify and evaluate candidates to serve as directors of the Company consistent with the criteria approved by the Board and review and evaluate the performance of the Board; (iv) serve as a focal point for communication between director candidates, non-committee directors and the Company’s management; (v) select or recommend to the Board for selection candidates to the Board or to serve as nominees for director for the annual meeting of stockholders; and (vi) make other recommendations to the Board regarding affairs relating to the directors of the Company.

COMPOSITION

The Committee shall consist of at least two (2) members of the Board. Each member of the Committee shall satisfy (i) the independence requirements imposed by any stock exchange on which any of the Company’s capital stock is listed, including any exceptions permitted by such requirements, as determined by the Board and (ii) any other qualifications determined by the Board. The members of the Committee shall be appointed by and serve at the discretion of the Board. Vacancies occurring on the Committee shall be filled by the Board. The Committee’s chairperson shall be appointed by the Board.

MEETINGS AND MINUTES

The Committee shall hold such regular or special meetings as its members shall deem necessary or appropriate. Minutes of each meeting of the Committee shall be prepared and distributed to each director of the Company and the Secretary of the Company after each meeting. The Chairperson of the Committee shall report to the Board from time to time or whenever so requested by the Board.

A majority of the members shall represent a quorum of the Committee, and, if a quorum is present, any action approved by a majority of the members present shall represent the valid action of the Committee. Any actions taken by the Committee during any period in which one or

more members fail for any reason to meet the membership requirements set forth above shall be nonetheless duly authorized actions of the Committee for all corporate purposes. The Committee may act by unanimous written consent; when it does so, those actions will be filed in the minute book.

AUTHORITY

The Committee shall have access to all books, records, facilities and personnel of the Company as deemed necessary or appropriate by any member of the Committee to discharge his or her responsibilities hereunder. The Committee shall have access to and shall communicate with the Board, committee chairpersons, members of senior management and independent professional advisors to the Board and its various committees, as applicable. The Committee shall have the authority to obtain, at the expense of the Company, advice and assistance from internal or external legal, accounting or other advisors and consultants, as well as sole authority to retain and terminate executive search firms to help identify director candidates. The Committee shall have the authority to approve fees, costs and other terms of engagement of such outside resources. The Committee shall also have authority to pay, at the expense of the Company, ordinary administrative expenses (including expenditures for external resources) that, as determined by the Committee, are necessary or appropriate in carrying out its duties. The Committee shall have authority to require that any of the Company's personnel, counsel, accountants or investment bankers, or any other consultant or advisor to the Company, attend any meeting of the Committee or meet with any member of the Committee or any of its special, outside legal, accounting or other, advisors or consultants.

The Committee may form and delegate authority to one or more subcommittees as appropriate, consisting of one or more members of the Board (whether or not he, she or they are on the Committee) to the extent allowed under applicable law and stock exchange listing requirements. Delegation by the Committee to any subcommittee shall not limit or restrict the Committee on any matter so delegated, and, unless the Committee alters or terminates such delegation, any action by the Committee on any matter so delegated shall not limit or restrict future action by such subcommittee on such matters. The operation of the Committee shall be subject to the Bylaws of the Company as in effect from time to time and Section 141 of the Delaware General Corporation Law. The approval of this Nominating and Corporate Governance Committee Charter shall be construed as a delegation of authority to the Committee with respect to the responsibilities set forth herein.

RESPONSIBILITIES

To implement the Committee's purpose, the Committee shall have the following responsibilities. The Committee may supplement and, except as otherwise required by applicable law or the requirements of any stock exchange on which any of the Company's capital stock is then listed, deviate from these activities as appropriate under the circumstances:

1. *Director Nominations.* The Committee shall identify and evaluate candidates to serve on the Company's Board consistent with the criteria approved by the Board, including consideration of the potential conflicts of interest as well as applicable independence and other requirements. The Committee shall also have responsibility for reviewing, evaluating and

considering the recommendation for nomination of incumbent directors for re-election to the Board, as well as monitoring the size of the Board. The Committee shall also recommend to the Board for selection candidates to the Board or to serve as nominees for director for the annual meeting of stockholders. The Committee shall also have the power and authority to consider recommendations for Board nominees and proposals submitted by the Company's stockholders and to establish any policies, requirements, criteria and procedures, including policies and procedures to facilitate stockholder communications with the Board, to recommend to the Board appropriate action on any such proposal or recommendation and to make any disclosures required by applicable law in the course of exercising its authority. The Board believes it is important to develop a diverse and experienced board of directors. In the context of the existing composition and needs of the Board and its committees, the Committee shall consider various factors, including, but not limited to, independence, age, diversity, integrity, skills, financial and other expertise, breadth of experience and knowledge about the Company's business or industry.

2. Board and Management Assessment. The Committee shall periodically review the performance of the Board, including Board committees, and management, and shall make recommendations to the Board and management, as applicable, for areas of improvement as it deems appropriate. The assessment shall include evaluation of the Board's contribution as a whole and effectiveness in serving the best interests of the Company and its stockholders, specific areas in which the Board and/or management believe contributions could be improved, and overall Board composition and makeup, including reelection of current Board members. The factors to be considered shall include whether the directors, both individually and collectively, can and do provide the integrity, experience, judgment, commitment, skills, diversity and expertise appropriate for the Company. In assessing the directors, both individually and collectively, the Committee may consider the current needs of the Board and the Company to maintain a balance of knowledge, experience, diversity and capability in various areas. The Committee shall also consider and assess the independence of directors, including consideration of any independence requirements imposed by any stock exchange on which any of the Company's capital stock is then listed.

3. Board Committee Nominations. The Committee shall oversee the Board's committee structure and operations, including authority to delegate to subcommittees and committee reporting to the Board. The Committee, after due consideration of the interests, independence and experience of the individual directors and the independence and experience requirements of any stock exchange on which any of the Company's capital stock is then listed, the rules and regulations of the Securities and Exchange Commission and applicable law, shall recommend to the entire Board annually the chairmanship and membership of each committee.

4. Review Possible Conflicts of Interest. The Committee shall consider possible conflicts of interest of officers and directors as set forth in the Company's Code of Business Conduct and Ethics, including reviewing, as necessary, any officer's request to accept a directorship position with another company, and make recommendations to the Board to prevent, minimize or eliminate such conflicts of interest.

5. Continuing Education/Orientation. The Committee shall institute such plans or programs as it may deem appropriate for the continuing education of directors and orientation of new directors.

6. Corporate Governance Guidelines. The Committee shall develop a set of

corporate governance guidelines to be applicable to the Company and shall periodically review and assess the Company's corporate governance, and shall recommend any changes deemed appropriate to the Board for its consideration.

7. *Management Succession.* The Committee shall periodically review with the Chief Executive Officer the plans for succession for the Company's executive officers, as it sees fit, and make recommendations to the Board with respect to the selection of appropriate individuals to succeed to these positions.

8. *Procedures for Information Dissemination.* The Committee shall periodically review the processes and procedures used by the Company to provide information to the Board and its committees and make recommendations to the Board and management for improvement as appropriate. The Committee should consider, among other factors, the reporting channels through which the Board and its committees receive information and the level of access to outside advisors where necessary or appropriate, as well as the procedures for providing accurate, relevant and appropriately detailed information to the Board and its committees on a timely basis.

9. *Committee Self-Assessment; Charter.* The Committee shall review, discuss and assess its own performance at least annually. The Committee shall also periodically assess the adequacy of this charter and shall recommend any proposed changes to the Board for its consideration.

10. *Certificate of Incorporation, Bylaws, Committee Charters and Code of Conduct.* The Committee shall review and assess the adequacy of the Company's Certificate of Incorporation, Bylaws, the charters of any committee of the Board and the Company's Code of Business Conduct and Ethics (the "Governing Documents") periodically in order to ensure compliance with any principles of corporate governance developed by the Committee and recommend to the Board for its consideration any necessary modifications to the Governing Documents, provided, however that such recommendation shall not be necessary in order for the Board to make any modifications to the Governing Documents.

11. *General Authority.* The Committee shall perform such other functions and have such other powers as may be necessary or appropriate in the discharge of the foregoing.