## Data Sharing Statement

| Item | Question | Authors’ Response (place “-” if not applicable) |
|------|----------|--------------------------------------------------|
| 1    | Would you like to share data collected for your study to others? | Yes. |
| 2    | If not, would you like to share the reason for your decision? | - |
| 3    | What data in particular will be shared? | The methods of HIBD and OGD will be shared, and experimental details will be shared. |
| 4    | Any other documents will be shared? Such as study protocol, statistical analysis plan, informed consent form, clinical study report, analytic code. | Experimental methods and experimental materials will also be shared if requested. |
| 5    | When will data availability begin? | From the publication date. |
| 6    | When will data availability end? | Two years within the publication date, since the technique or survival date may be updated over time. |
| 7    | To whom will you share the data? | Medical researcher who are interested in studies of HIBD or astrocytes. |
| 8    | For what type of analysis or purpose? | For explore the pathological process of HIBD and provide new therapeutic targets for HIBD. |
| 9    | How or where can the data/documents be obtained? | Emails could be sent to the address below to obtain the shared data: nana_38909157@163.com. |
| 10   | Any other restrictions? | We may balance the potential benefits and risks for each request and then provide the data that could be shared. |