

Tutorial of HerbNet

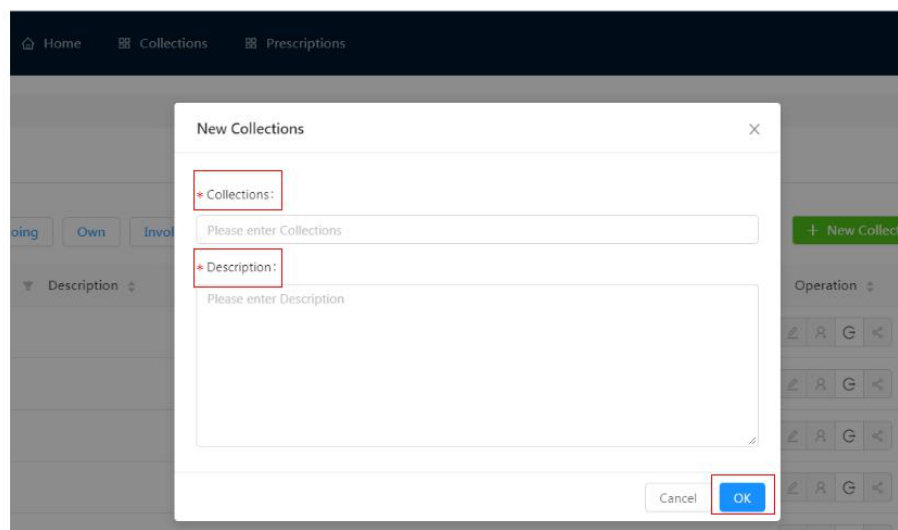
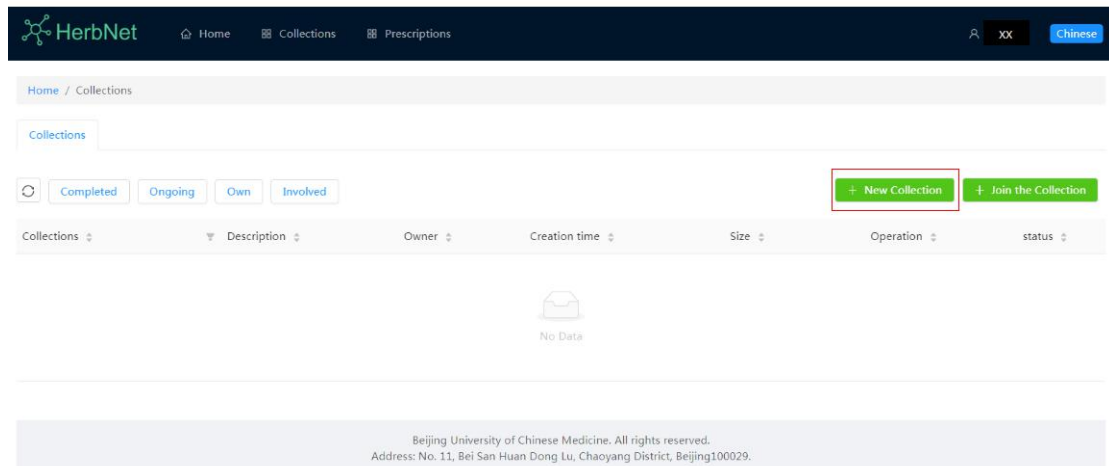
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1.How to upload a collection of prescripts

1.1 Create a collection

Click the "+ New Collection" button and fill in the popup form, including "Collections"(the collection name) and "Description"(detailed introduction).



1.2 Create a prescription

Click the hyperlink of the collection name ("Constipation" in the demo) to enter into a collection. Click the "+New Prescription" to fill in the form to create a prescription.

HerbNet
Home
Collections
Prescriptions
xx
Chinese

Home / Collections

Collections

Completed
Ongoing
Own
Involved

+ New Collection
+ Join the Collection

Collections	Description	Owner	Creation time	Size	Operation	status
Constipation	100 cases of Constip...	XX	2020/8/4 下午5:13:52	0		Ongoing

1 items < 1 > 10 / page

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HerbNet
Home
Collections
Prescriptions
xx
Chinese

Home / Collection / Constipation

Prescriptions Analysis

Select All
Start an Analysis

+ New Prescription

Case No.	Gender	Disease	Create time	Operation	Info
<div>No Data</div>					

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New Medical Record

* Case No.:

Please enter Case No.

Gender:
☒ Male
☐ Female

* Disease:

Please enter Disease

Cancel

OK

1.3 Upload the symptoms

Click the "Symptom" hyperlink to enter into the page of Symptoms form. Fill in the form of "TCM Symptoms" and "Abnormalities in clinic testing". Several symptom tags will be automatically extracted from the input content. If some words are not recognized, users can add the tag manually by flicking the words with mouse.

HerbNet

Home Collections Prescriptions

Home / Collection / Constipation

Prescriptions Analysis

Select All Start an Analysis + New Prescription

Case No.	Gender	Disease	Create time	Operation	Info
001	Male	Constipation	2020-08-04 17:22:07		Symptoms Herb formula

1 Items < 1 > 10 / page

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Home / Collections / Constipation / constipation

Info

Prescription Symptoms Herbs

Symptoms

TCM symptoms: Dry Stool X, Dyschesia X, Decreased times of fecal discharge X, Elongation of defecation time X, Less defecation X, Abdominal distension X, Abdominal pain X, Fever X, Vexation X, Fatigue X, Dry Mouth X, Halitosis X, Red Complexion X, Red Tongue X, Slight yellow fur X, Dry coating X, Slippery pulse X

Abnormalities in clinic tes: Fecal Occult Blood Test (FOBT) positive X, FOBT positive X

Add Tag: Rapid pulse

Cancel OK

Adjustable input box size

Submit

1.4 Upload the herb formula

Click the "Herb formula " hyperlink to enter into the page of herb formula form. Fill in the form of " Herb formula". Several herb tags will be automatically extracted from the input content. If some words are not recognized, users can add the tag manually by flicking the words with mouse.

Home / Collections / Constipation / constipation

Info

Prescription

Symptoms

Herbs

Herbs

Herb formula: Maziren15g;Shaoyao10g;Zhishi6g;Dahuang9g;Houpu6g;Xingren6g;Danggui9g;Dangshen6g;Gancao3g;Mangxiao12g;Muxiang10g;Baizhu12g;Huangqi12g;Shengdi12g;Xuanshen10g;

+Maziren+15g X

+Shaoyao+10g X

+Zhishi+6g X

+Dahuang+9g X

+Houpu+6g X

+Xingren+6g X

+Danggui+9g X

+Dangshen+6g X

+Gancao+3g X

+Mangxiao+12g X

+Muxiang+10g X

+Baizhu+12g X

+Huangqi+12g X

+Shengdi+12g X

+Xuanshen+10g X

Submit to Update

2.How to start an analysis

2.1 Select prescriptions

Select a number of prescriptions by clicking the checkbox. Note: At least 50 prescriptions should be selected. Then You will then see the "start an analysis" button highlighted and you can initiate a analysis by clicking it.

The screenshot shows the HerbNet interface with the 'Prescriptions' tab selected. At the top, there are navigation links: Home, Collections, and Prescriptions. Below the navigation bar, there is a breadcrumb trail: Home / Prescriptions. A 'Prescriptions' filter is active. Below the filter, there are buttons: 'Select All', 'Start an Analysis' (highlighted with a red box), and 'Selected 50 items'. To the right of these buttons, it says '≥50'. Below this, there is a table with columns: Case No., Gender, Disease, Create time, Operation, and Info. The table contains five rows of data, all with 'Constipation' as the disease. The 'Info' column has links for 'Symptoms' and 'Herb formula'.

Case No.	Gender	Disease	Create time	Operation	Info
100	Male	Constipation	2020-08-02 17:31:32		
099	Male	Constipation	2020-08-02 17:31:22		
098	Male	Constipation	2020-08-02 17:31:13		
097	Male	Constipation	2020-08-02 17:31:04		

2.2 Start an analysis

Fill in the "Analysis Name" and "Description" to complete the form.

The screenshot shows the 'Analysis' dialog box. It has a title bar with 'Analysis' and a close button (X). Inside the dialog, there are two input fields: '* Analysis Name:' and 'Description:'. Both fields have placeholder text 'Please enter Analysis Name' and 'Please enter Description' respectively. The 'Analysis Name' field is highlighted with a red box. At the bottom right of the dialog, there are two buttons: 'Cancel' and 'OK' (highlighted with a red box). The background shows the 'Prescriptions' tab and a table with 'Constipation' entries.

3.How to change the visualization

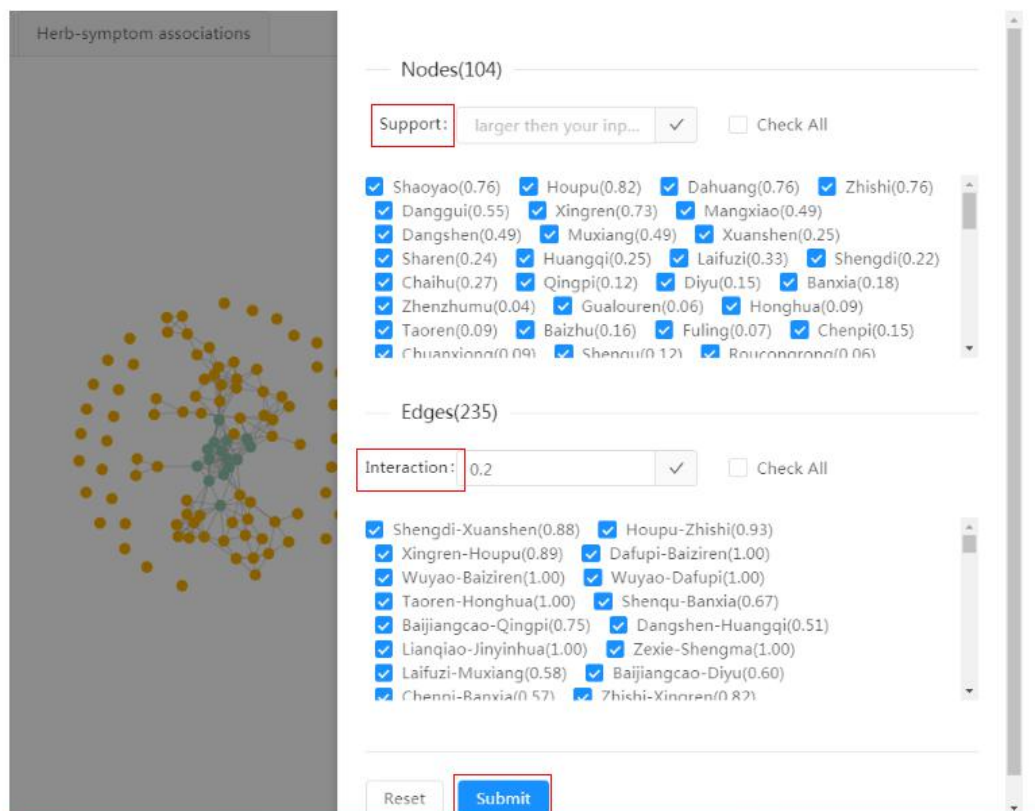
3.1 Herb Driver/ Passenger Attributes

In the Analysis page of specific collection, click the "Classification" hyperlink to enter into the results of the data visualization. A default figure is presented in this page, which can be download to local. By clicking "Rebuild using new parameter" button, you can change the parameters to regenerate a figure. Note: "Support" and "Interaction" respectively represent the control of Nodes and Edges displayed in the network.

The screenshot shows the HerbNet web application interface. The top navigation bar includes the HerbNet logo, Home, Collections, and Prescriptions links, along with a search bar and a Chinese language toggle. The breadcrumb trail indicates the current location: Home / Collection / Constipation_Demo. Below this, there are tabs for Prescriptions and Analysis, with the Analysis tab selected. A table lists analysis results, with the first entry highlighted. The table columns are Analysis Tool, Analysis Name, Prescriptions, Creation time, Operate, and Results. The first row shows 'Herb Hidden knowledge' for 'Analysis_Demo' with 100 prescriptions, created on 2020/8/4 at 9:50:45. The Operate column contains a download icon and a 'Classification' link. The Results column contains links for 'Herb-Herb' and 'Herb-Symptom'. A pagination bar at the bottom indicates 1 item per page.

Analysis Tool	Analysis Name	Prescriptions	Creation time	Operate	Results
Herb Hidden knowledge	Analysis_Demo	100	2020/8/4 下午9:50:45	Classification	Herb-Herb Herb-Symptom

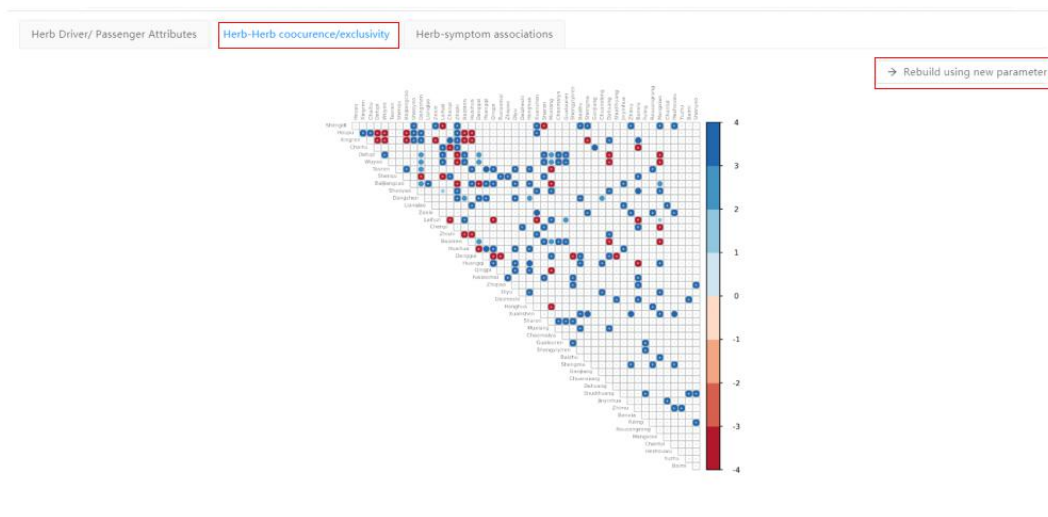
The screenshot shows the HerbNet web application interface for the Herb Driver/ Passenger Attributes visualization. The top navigation bar is the same as the previous screenshot. The breadcrumb trail indicates the current location: 首页 / Constipation_Demo / Herb Detail. Below this, there are tabs for Herb Driver/ Passenger Attributes, Herb-Herb cooccurrence/exclusivity, and Herb-symptom associations, with the first tab selected. The visualization area shows a network graph with nodes and edges. A legend indicates that green nodes represent 'driver' and yellow nodes represent 'passenger'. A download icon and a 'Rebuild using new parameter' button are visible. The network graph shows a central cluster of green nodes (drivers) surrounded by a larger cluster of yellow nodes (passengers).



3.2 Herb-Herb cooccurrence/exclusivity

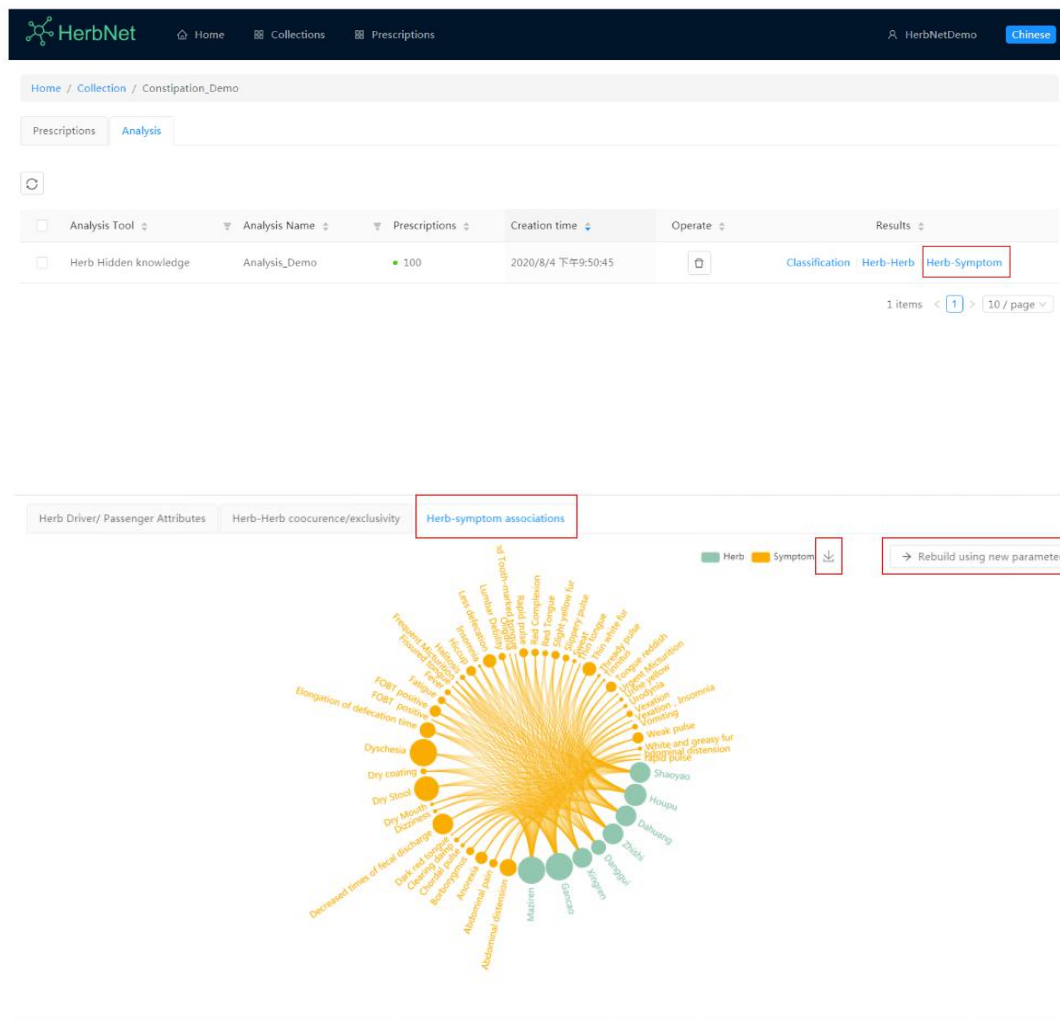
In the Analysis page of specific collection, click the "Herb-Herb" hyperlink to enter into the results of the data visualization. By clicking "Rebuild using new parameter" button, you can change the parameters to regenerate a figure. Note: "Support" represent the control of Nodes displayed in the network.

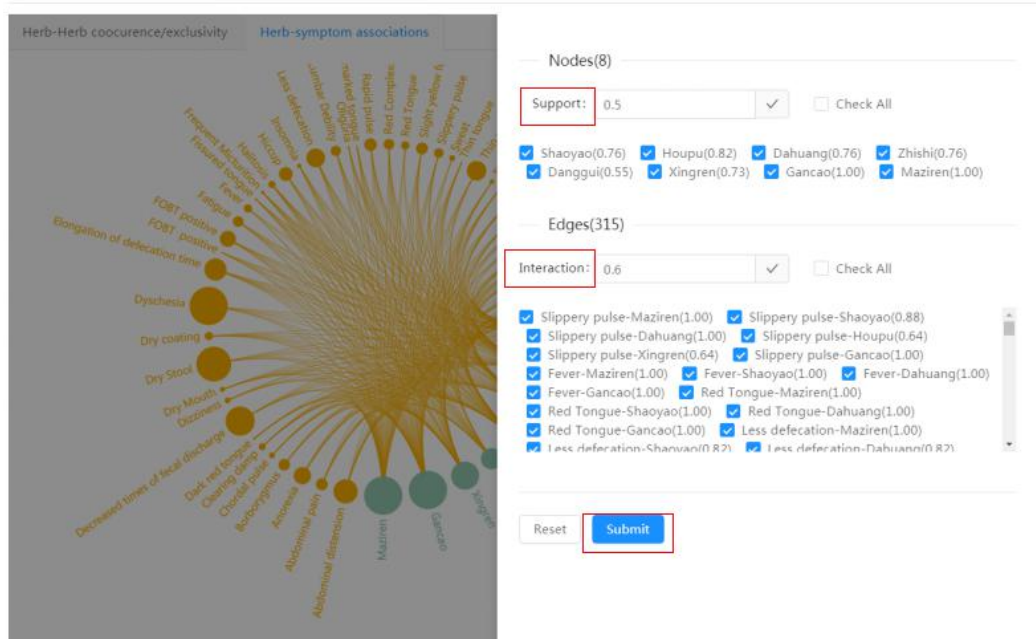
<div> Home Collections Prescriptions HerbNetDemo Chinese </div>						
Home / Collection / Constipation_Demo						
Prescriptions Analysis						
<div> <div> <div></div> <div>Analysis Tool</div> </div> <div> <div></div> <div>Analysis Name</div> </div> <div> <div></div> <div>Prescriptions</div> </div> <div> <div></div> <div>Creation time</div> </div> <div> <div></div> <div>Operate</div> </div> <div> <div></div> <div>Results</div> </div> </div>						
<input type="checkbox"/>	Herb Hidden knowledge	Analysis_Demo	100	2020/8/4 下午9:50:45	<div> <div></div> <div>Classification</div> <div>Herb-Herb</div> <div>Herb-Symptom</div> </div>	
1 items < 1 > 10 / page						



3.3 Herb-symptom associations

In the Analysis page of specific collection, click the "Herb-Symptom" hyperlink to enter into the results of the data visualization. A default figure is presented in this page, which can be download to local. By clicking "Rebuild using new parameter" button, you can change the parameters to regenerate a figure. Note: "Support" and "Interaction" respectively represent the control of Nodes and Edges displayed in the network.

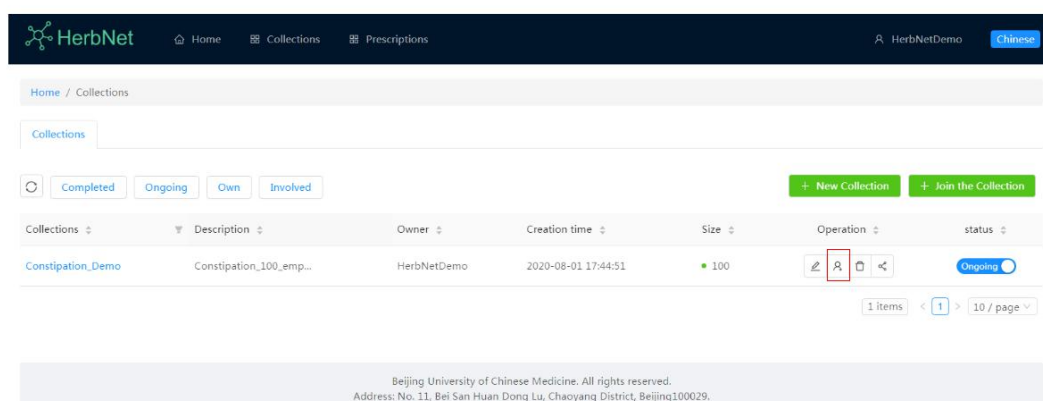


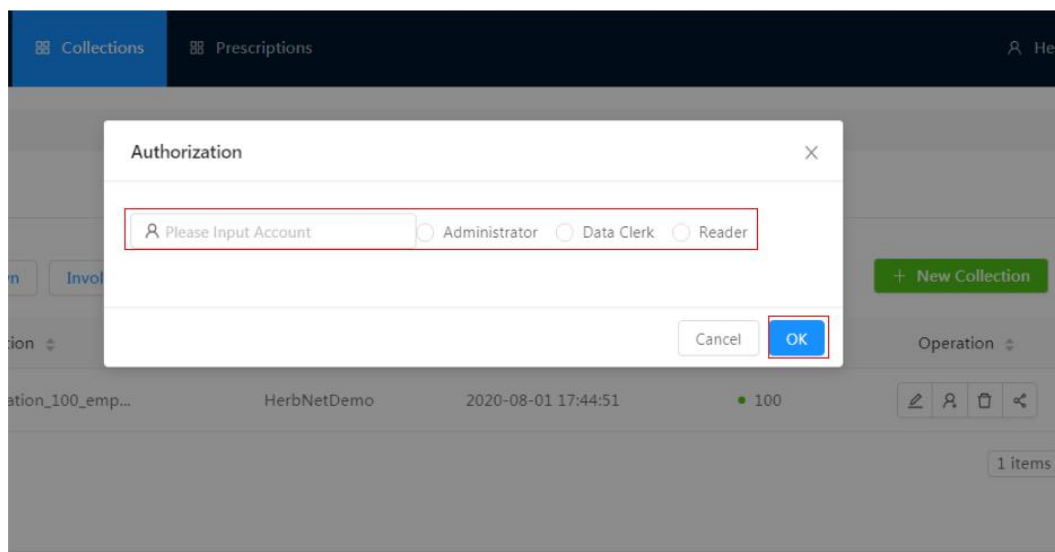


4.How to manage a collection

4.1 Authorize members to join in a collection

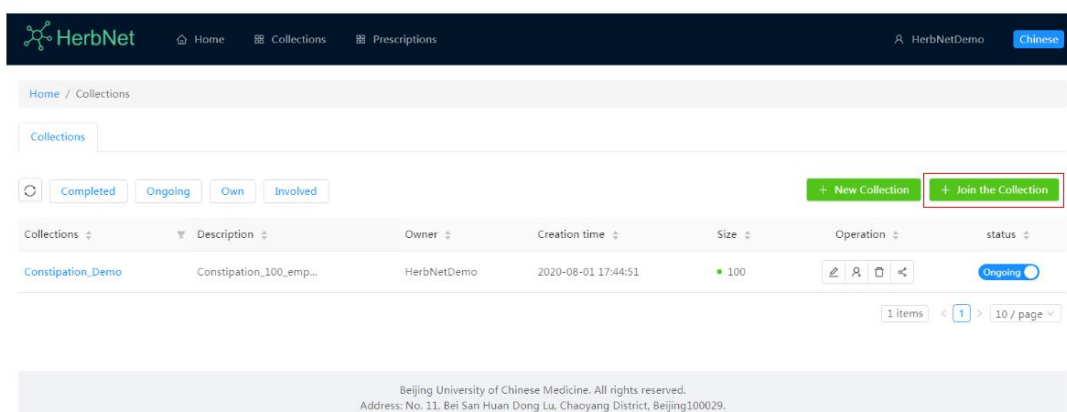
Click the second button under the "Operation" and fill in the popup form,including "Authorization"(Please input account and chose Administrator/Data Clerk/Reader) .

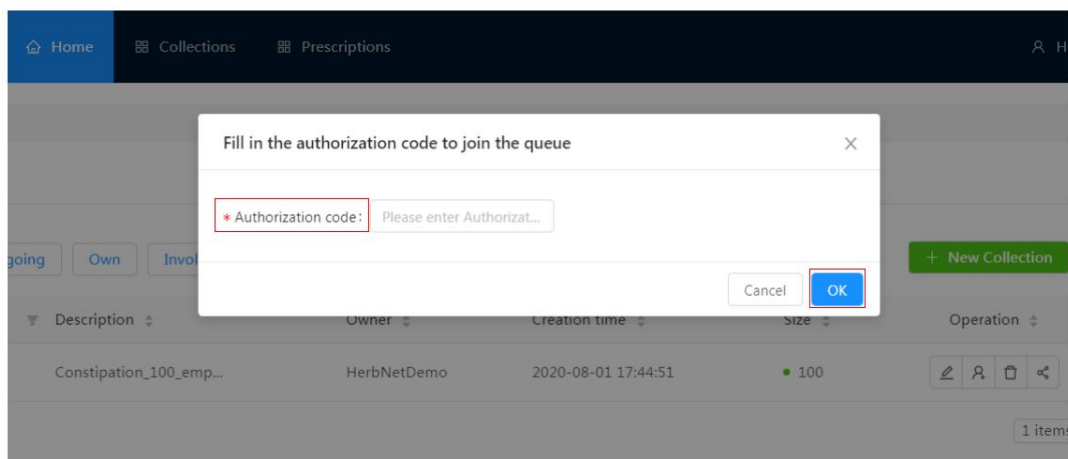




4.2 Invite one to join a collection

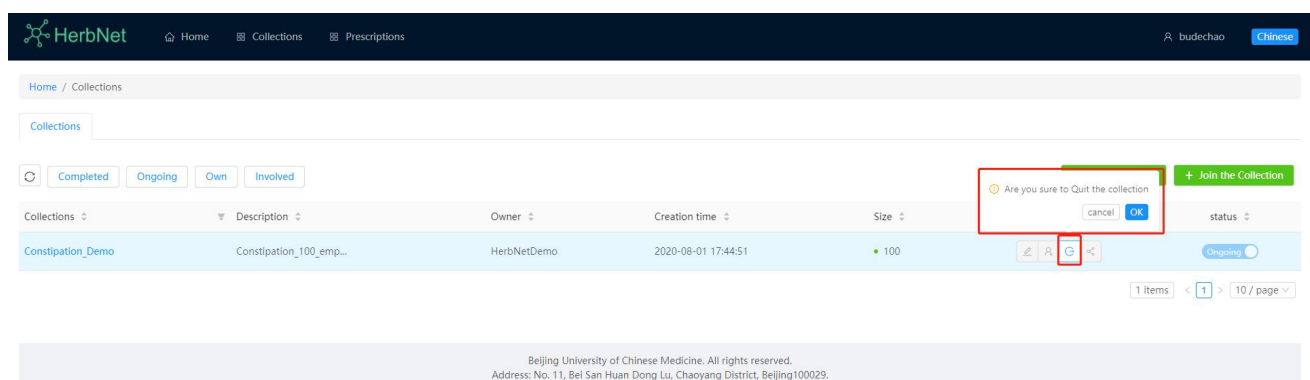
Click the "+ Join the Collection" button and fill in the authorization code to join the queue.






4.3 Exit from a collection

Click the third button under the "Operation" and answer the question that Are you sure to Quit the collection ?



4.4 Delete a collection

Click the third button under the "Operation" and answer the question that Are you sure to Delete the collection ?



[Home](#)[Collections](#)[Prescriptions](#)

HerbNetDemo

Chinese

Home / Collections

Collections

Completed

Ongoing

Own

Involved

Collections	Description	Owner	Creation time	Size		
Constipation_Demo	Constipation_100_emp...	HerbNetDemo	2020-08-01 17:44:51	100	<div><div></div><div></div><div></div><div></div></div>	<div>Collection</div> <div>Are you sure to Delete the collection</div> <div>cancelOK</div> <div>status</div>

1 items110 / page

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