CLAIMS

WHAT IS CLAIMED IS:

1. An online and offline supply chain management method for an oral diagnosis and treatment process, specifically comprising establishing an internal shopping store based on procurement of medical consumables at an oral outpatient terminal, wherein a management method of the internal shopping store comprises:

S1: selecting designated suppliers and allowable types of supply goods through procurement bidding, and launching the approved supply goods in the internal shopping store;

S2: logging into the internal shopping store at the oral outpatient terminal, and purchasing the required medical consumables in a self-purchasing way;

S3: submitting a purchase order for the purchased medical consumables;

S4: associating corresponding suppliers according to the purchase order, and automatically distributing the purchased medical consumables to a back end of the internal shopping store to inform the suppliers of preparing goods and delivering the goods to the oral outpatient terminal; and

S5: scanning a goods code for warehousing after the goods are received at the oral outpatient terminal, and scanning the goods code for ex-warehousing when an outpatient purchases the medical consumables;

wherein in S5, when the goods code is scanned for ex-warehousing, code scanning information and a charging order are bound to monitor income and cost matching; according to the monitoring of the income and cost matching, a charging order and a stock consumption in the internal shopping store are subjected to consistency check; and when a consistency check result shows the two are inconsistent , a traceability model for the medical consumables is established to query traceability of the medical consumables;

the consistency check comprises matching of quantities of the medical consumables and matching of using paths of the medical consumables; the traceability model for the medical consumables is configured to record transfer port information and transfer time information of the medical consumables after the goods code is scanned for ex-warehousing;

the transfer port information and the transfer time information are, by establishing a positioning matrix for medical consumables information, used for indexing and querying node information in the positioning matrix and invoking data of the designated medical consumables.

2. The online and offline supply chain management method for an oral diagnosis and treatment process according to claim 1, wherein in S1, the selecting designated suppliers

comprises: integrating supplier evaluation factors and purchasing constraints according to actual purchasing situations of the medical consumables at the oral outpatient terminal, so as to establish a dynamic supplier adjustment scheme for the internal shopping store.

3. The online and offline supply chain management method for an oral diagnosis and treatment process according to claim 2, wherein the supplier evaluation factors specifically comprise consumption quantities of the medical consumables, consumption types of the medical consumables, consumption rates of the medical consumables, quality of the medical consumables, and prices of the medical consumables; and the purchasing constraints for the internal shopping store comprise purchasing cycle constraints, purchasing time constraints, and purchasing exception value constraints.

4. The online and offline supply chain management method for an oral diagnosis and treatment process according to claim 1, wherein in S5, a purchasing procedure needs to be approved when the outpatient purchases the medical consumables, wherein the purchasing approval procedure comprises: evaluating a purchase quantity of the medical consumables and a purchase type thereof in the internal shopping store; with the purchase quantity being lower than a specified threshold, the goods code is scanned for ex-warehousing without an approval from a superior; and with the purchase quantity exceeding the specified threshold, the goods code is scanned for ex-warehousing after approval from the superior.

5. The online and offline supply chain management method for an oral diagnosis and treatment process according to claim 1, wherein in the node information, a verification mode based on attribute encryption is created, and a corresponding administrator queries the data of the medical consumables by a private key.

6. The online and offline supply chain management method for an oral diagnosis and treatment process according to claim 1, wherein the traceability model for the medical consumables specifically comprises traceability of ready-to-use or ready-to-sell products and traceability of reusable products; and the traceability of reusable products further comprises a relationship between the transfer time information of the medical consumables and the usage frequency thereof under specified transfer port information.