



世界中医药学会联合会

World Federation of Chinese Medicine Societies

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中药调剂职业教育规范 (征求意见稿)

Specification for Vocational Education of Chinese Medicine Dispensing
(Working Draft)

世界中联国际组织标准

International Standard of WFCMS

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前 言

本文件的某些内容可能涉及相关专利，本文件的发布机构不承担识别专利的责任。

主要起草单位：北京中医药大学中药调剂标准化研究中心、中国-法国中医药中心、北京卫生职业学院、成都中医药大学、北京和利康源医疗科技有限公司。

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引 言

中药调剂作为一门传统的学科，经过历代医药学家的传承，结合现代医药需求，其理论体系不断发展完善。中药调剂工作属于药事服务中的重要内容，是连接医生与患者的桥梁，调剂工作的好坏，直接影响着中药的临床疗效。目前中药调剂从业人员日常工作中存在许多操作不规范的现象，这与从事中药调剂工作人员的缺乏系统、规范的中药调剂职业教育有关。在中国，中药调剂人员主要来自于中医药高等院校，中药调剂职业教育缺乏相应的标准。在法国，对于从事中药调剂或中药销售的人员无需进行任何的官方资格认定，而仅作为一般的食品销售工作人员。在日本，药剂师须通过日本东洋医学会举办的中药知识考试，方可从事中药类药品的销售以及合理用药的指导工作。在美国，针灸医师须通过美国国家针灸及东方医学认证委员会（NCCAOM）考试或加州针灸局考试，方可承担中药调剂工作。

本文件在系统梳理中药调剂知识体系的基础上，协调海内外法规和适用性，制定中药调剂职业教育规范及知识体系框架，有助于指导海内外中医药机构进行规范化职业教育与培训。

WNECM

中药调剂职业教育规范

1 范围

本文件规定了从事中药调剂人员的职业素质要求、基础知识要求、技能操作要求等内容。

本文件适用各个国家或地区开展中医药学知识传授的学校、培训等相关机构。

2 规范性引用文件

下列文件中的内容通过文中的规范性引用而构成本文件必不可少的条款。其中，注日期的引用文件，仅该日期对应的版本适用于本文件；不注日期的引用文件，其最新版本（包括所有的修改单）适用于本文件。

SCM 3 世界中医学历科(CMD 前)教育标准

3 术语和定义

下列术语和定义适用于本文件。

3.1

中药调剂

中药调剂从业人员根据中医师或针灸医师处方要求，将炮制合格的中药饮片或中成药经过科学调配，以供患者使用的药学服务活动。

3.2

职业教育

让受教育者获得某种职业或生产劳动所需要的职业知识、技能和职业道德的教育。

3.3

中药调剂从业人员

从事中药调剂相关工作的人员。

注：从事中药调剂相关工作 5 年以下的人员为初级中药调剂人员，从事中药调剂相关工作 5 年以上的人员为高级中药调剂从业人员。

4 培养目标

a) 中药调剂从业人员能够完成中药调剂规范性职业教育模块(见规范性附录A)的学习,按照中医药行业服务要求,规范从事中药调剂工作;

b) 中药调剂从业人员具有终生学习的观念和能力,不断提升自身综合素质,对中药调剂工作有正确理解,能够很好地掌握和运用相关知识与技能(见资料性附录B)。

5 培养对象

a) 已掌握中医药理论基础知识的中药调剂人员。

b) 对未掌握中医药理论基础知识的中药调剂人员,宜参照SCM3-2009进行培养后,参照本文件进行继续教育。

c) 针对初级和高级中药调剂从业人员进行再培训,应符合以下要求:

1) 初级中药调剂从业人员宜针对本文件7、8中涉及的“掌握”内容进行培训;

2) 高级中药调剂从业人员宜针对本文件7、8中涉及的“掌握”“熟悉”“了解”内容进行培训。

6 职业素质要求

针对中药调剂人员进行职业素质培养,应符合如下要求:

a) 遵守职业道德,热爱中医药事业,服务态度认真、细致。

b) 关爱患者,将保障患者用药安全和有效作为自己的责任。

c) 善于与患者或家属沟通,耐心解答患者的用药困惑。

d) 具有实事求是的态度,工作中遇到疑难问题,积极寻求上级或其他医师、药师的帮助。

e) 具有法律观念,遵纪守法,能运用法律维护患者和自身的权益。

f) 尊重他人,尊重个人信仰,理解多元人文背景和文化价值观念,具有团队合作精神。

7 基础知识要求

7.1 中药饮片调剂基础知识

7.1.1 掌握中药饮片、调剂室、调剂台、笺方、药斗的概念。

7.1.2 掌握中药饮片的斗谱编排原则。

7.1.3 掌握中药饮片的计量单位。

7.1.4 掌握戥子、电子秤、铜缸的构造与使用方法。

7.1.5 掌握中药处方调剂误差控制。

7.1.6 了解包装纸的分类与大小要求。

7.2 中成药调剂基础知识

- 7.2.1 掌握中成药的概念与分类。
- 7.2.2 掌握处方药与非处方药的调剂区别。
- 7.2.3 掌握中成药的剂型与规格。
- 7.2.4 掌握含剧毒药的中成药的用法用量。
- 7.2.5 掌握中成药的使用方法（内服、外用、注射）。
- 7.2.6 掌握中成药的服药次数与剂量。
- 7.2.7 掌握常用中成药的适应症与药物组成。
- 7.2.8 掌握常用中成药的使用注意。

7.3 小包装中药饮片调剂基础知识

- 7.3.1 掌握小包装中药饮片的概念。
- 7.3.2 掌握小包装中药饮片的品种与规格。
- 7.3.3 掌握小包装中药饮片的厂家标识。
- 7.3.4 了解小包装中药饮片的包装材料。
- 7.3.5 了解小包装中药饮片的包装方法。
- 7.3.6 了解小包装中药饮片的色标管理。

7.4 中药配方颗粒调剂基础知识

- 7.4.1 掌握中药配方颗粒的概念及种类。
- 7.4.2 掌握中药配方颗粒中药饮片的服药方式差异。
- 7.4.3 了解中药配方颗粒与中药饮片的疗效差异。

7.5 毒性与麻醉性中药调剂基础知识

- 7.5.1 掌握毒性中药的概念。
- 7.5.2 掌握大毒、有毒、小毒中药品种目录。
- 7.5.3 掌握大毒、有毒、小毒中药用法用量。
- 7.5.4 掌握中药中毒的原因及处理办法。
- 7.5.5 掌握麻醉性中药罂粟壳的概念和临床应用。
- 7.5.6 了解麻醉药品“印鉴卡”的使用。

7.6 贵细中药调剂基础知识

- 7.6.1 掌握贵细中药的概念。

7.6.2 掌握贵细中药的用法用量。

7.6.3 了解贵细中药品种目录。

7.7 中药调剂法律法规基础知识

7.7.1 掌握处方药与非处方分类管理类法规。

7.7.2 掌握处方的分类管理类法规。

7.7.3 掌握不同剂型中药的质量控制类法规。

7.7.4 掌握中药房、煎药室、药库、中药制剂室等场所的设施管理类法规。

7.7.5 掌握并能正确执行中药调配操作管理类法规。

8 技能操作要求

8.1 中药性状辨识技术

8.1.1 掌握中药材基原与产地。

8.1.2 掌握中药常用经验鉴别术语。

8.1.3 掌握眼观、手摸、鼻闻、口尝、水试、火试等传统性状鉴别方法。

8.1.4 掌握优质饮片的鉴别。

8.1.5 掌握中药饮片炮制品性状鉴别。

8.1.6 了解中药饮片的片型、规格。

8.2 中药临方炮制技术

8.2.1 掌握需去除中药非药用部位与杂质的品种与加工方法。

8.2.2 掌握需提前或临时捣碎的中药品种与捣碎方法。

8.2.3 掌握需临方炒制的中药品种与炒制方法。

8.2.4 掌握鲜药的临方炮制方法。

8.2.5 掌握蜜炙、酒炙、盐炙、醋炙、砂炒等常用炮制方法。

8.2.6 了解四制香附等特殊炮制方法。

8.2.7 了解中药丸、散、膏、丹的制备。

8.2.8 了解中药炮制辅料的质量要求。

8.2.9 了解中药炮制工具的选择。

8.3 中药处方应付技术

8.3.1 掌握中药饮片正名、别名、并开药名、炮制品名的正确书写。

8.3.2 掌握处方直写药名（或生），应付生品的品种。

- 8.3.3 掌握处方注明“鲜”，应付鲜品的品种。
- 8.3.4 掌握处方直写药名，应付炮制品的品种。
- 8.3.5 掌握处方药名已注明炮制要求，应按要求调配的品种。
- 8.3.6 掌握并开药的应付。
- 8.3.7 掌握需临方炮制的中药品种的应付。
- 8.3.8 掌握需捣碎品种的应付。
- 8.3.9 掌握需去掉非药用部位的品种的应付。
- 8.3.10 掌握特殊煎煮方法品种的应付。

8.4 中药调剂供应技术

- 8.4.1 掌握调剂室环境要求与防护措施。
- 8.4.2 掌握中药饮片的查斗、装斗、清斗。
- 8.4.3 掌握鲜药的贮存与供应。
- 8.4.4 掌握中成药的清点、上架。
- 8.4.5 掌握小包装中药饮片的摆放顺序。
- 8.4.6 了解小包装中药饮片调剂车的使用。
- 8.4.7 了解中药配方颗粒的标识与效期管理。
- 8.4.8 掌握小包装中药配方颗粒的调配步骤。
- 8.4.9 掌握大盒密封包装中药配方颗粒的调配步骤。
- 8.4.10 了解中药配方颗粒全自动发药机操作步骤。
- 8.4.11 掌握麻醉中药、有毒中药、贵细中药的特殊管理。

8.5 中药处方审核技术

- 8.5.1 掌握处方的类型与颜色的区分。
- 8.5.2 掌握处方的完整性、合法性、时效性、规范性的审核要点。
- 8.5.3 掌握科别、姓名、年龄、性别等患者信息审核要点。
- 8.5.4 掌握药名、规格、数量、标签等药品信息审核要点。
- 8.5.5 掌握处方脚注审核要点。
- 8.5.6 掌握用法用量审核要点。
- 8.5.7 掌握证候禁忌、配伍禁忌审核要点（包括中药、西药的配伍禁忌）。
- 8.5.8 掌握特殊人群用药审核要点。
- 8.5.9 掌握药物的不合理联用的审核要点。

8.6 中药临床煎煮技术

- 8.6.1 掌握中药的常规煎服方法。
- 8.6.2 掌握中药先煎、后下、包煎、另煎、烊化、泡服、冲服、兑服、煎汤代水等特殊煎服方法。
- 8.6.3 掌握中药的煎药用水与用水量。
- 8.6.4 掌握中药的浸泡时间、浸泡容器的选择。
- 8.6.5 掌握中药的煎煮时间。
- 8.6.6 掌握中药煎煮火候。
- 8.6.7 了解搅拌工具与包装材料。
- 8.6.8 了解中药煎煮的注意事项。
- 8.6.9 了解煎药室布局与环境要求。
- 8.6.10 熟悉煎药机、煎药锅等大型煎药设备的使用
- 8.6.11 了解煎药机的煎煮压力、煎煮温度。
- 8.6.12 了解中药煎煮液的质量要求。
- 8.7 中药发药交代技术**
 - 8.7.1 掌握患者信息与药品信息的核对。
 - 8.7.2 掌握服药方法（分服、顿服、连服、特殊服法）。
 - 8.7.3 掌握服药温度（热服、温服、冷服）。
 - 8.7.4 掌握服药剂量。
 - 8.7.5 掌握服药时间（饭前服、饭后服、空腹服、睡前服、定时服、不拘时服）。
 - 8.7.6 掌握中药常规煎煮方法与特殊煎煮方法的交代。
 - 8.7.7 掌握服药饮食禁忌（病证、药物对饮食的禁忌）。
 - 8.7.8 掌握药品贮藏环境与有效期。
 - 8.7.9 掌握有毒中药的使用注意。
 - 8.7.10 了解药引的作用与服用方法。
 - 8.7.11 了解联合用药的时间间隔。
- 8.8 中药采购管理技术**
 - 8.8.1 掌握中药饮片采购验收制度。
 - 8.8.2 掌握中成药采购验收制度。
 - 8.8.3 掌握小包装中药饮片采购验收制度。
 - 8.8.4 掌握中药配方颗粒采购验收制度。
 - 8.8.5 掌握麻醉性中药采购验收制度。
 - 8.8.6 掌握毒性中药采购验收制度。

8.8.7 掌握贵细中药采购验收制度。

8.9 中药贮存养护技术

8.9.1 掌握中药霉变、虫蛀、变色、泛油、气味散失、风化、潮解、升华、粘连、融化、腐烂等变异现象的表现。

8.9.2 掌握中药质量变异的原因。

8.9.3 掌握中药仓库的环境要求与防护措施。

8.9.4 掌握干燥、冷藏、埋藏、化学药剂、对抗同贮、气调等养护方法。

8.9.5 了解中药仓储的色标管理。

8.9.6 了解不同剂型中成药的贮存养护方法。

8.9.7 了解人参、鹿茸、麝香等贵细药的贮存养护方法。

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附录 A
(规范性)

中药调剂规范性职业教育模块

中药调剂职业教育的培养目标包括中药饮片调剂、中成药调剂、小包装中药饮片调剂、中药配方颗粒调剂、毒性与麻醉性中药调剂、贵细中药调剂、中药调剂法律法规七个规范性职业教育模块（见图 1）。



图 1 中药调剂规范性职业教育模块框架图

附录 B
(资料性)
中药调剂知识体系框架

中药调剂知识体系框架在 7 个中药调剂规范性教育模块指导下，可构建“中药饮片调剂基础知识”等 18 个二级知识条目，“中药饮片、调剂室、调剂台、笺方、药斗的概念”等 85 个三级知识条目，“中药材基原与产地”等 114 个四级知识条目。在中药调剂知识体系条目框架下，可参考现有的中医药法规、标准、教材等文件提取 169 条知识内容（见表 1）。

表 1 结构化中药调剂知识体系框架表

一级知识条目	二级知识条目	三级知识条目	四级知识条目	知识内容编号
中药饮片调剂	1 中药饮片调剂基础知识	1.中药饮片、调剂室、调剂台、笺方、药斗的概念		1
		2.中药饮片的斗谱编排原则		2
		3.中药饮片的计量单位		3
		4.戥子、电子秤、铜缸的构造与使用方法		4
		5.中药处方调剂误差控制		5
		6.包装纸的分类与大小要求		6
	2 中药饮片调剂实践技能	1.中药饮片性状辨识技术	1-中药材基原与产地	7
			2-中药常用经验鉴别术语	8
			3-眼观、手摸、鼻闻、口尝、水试、火试等传统性状鉴别方法	9
			4-优质饮片的鉴别	10
			5-中药饮片炮制品性状鉴别	11
			6-中药饮片的片型、规格	12
		2.中药饮片临方炮制技术	1-需去除中药非药用部位与杂质的品种与加工方法	13
			2-需提前或临时捣碎的中药品种与捣碎方法	14
			3-需临方炒制的中药品种与炒制方法	15
			4-鲜药的临方炮制方法	16
			5-蜜炙、酒炙、盐炙、醋炙、砂炒等常用炮制方法	17
			6-四制香附等特殊炮制方法	18
			7-中药丸、散、膏、丹的制备	19
			8-中药炮制辅料的质量要求	20
			9-中药炮制工具的选择	21

		3.中药饮片处方应付技术	1-中药饮片正名、别名、并开药名、炮制品名的正确书写	22
			2-处方直写药名（或生），应付生品的品种	23
			3-处方注明“鲜”，应付鲜品的品种	24
			4-处方直写药名，应付炮制品的品种	25
			5-处方药名已注明炮制要求，应按要求调配的品种	26
			6-并开药的应付	27
			7-需临方炮制的中药品种的应付	28
			8-需捣碎品种的应付	29
			9-需去掉非药用部位的品种的应付	30
			10-特殊煎煮方法品种的应付	31
		4.中药饮片调剂供应技术	1-调剂室环境要求与防护措施	32
			2-中药饮片的查斗、装斗、清斗	33
			3-鲜药的贮存与供应	34
		5.中药饮片处方审核技术	1-处方的类型与颜色的区分	35
			2-处方的完整性、合法性、时效性、规范性的审核要点	36
			3-科别、姓名、年龄、性别等患者信息审核要点	37
			4-药名、规格、数量、标签等药品信息审核要点	38
			5-处方脚注审核要点	39
			6-用法用量审核要点	40
			7-证候禁忌、配伍禁忌审核要点（包括中药、西药的配伍禁忌）	41
			8-特殊人群用药审核要点	42
			9-药物的不合理联用的审核要点	43
		6.中药饮片临床煎煮技术	1-中药的常规煎服方法	44
			2-中药先煎、后下、包煎、另煎、烊化、冲服、泡服、煎汤代水等饮片品种与特殊煎服方法	45
			3-煎药用水与用水量	46
			4-中药的浸泡时间、浸泡容器的选择	47
			5-中药的煎煮时间	48
			6-中药煎煮的火候	49
			7-搅拌工具与包装材料	50
			8-中药煎煮的注意事项	51
			9-煎药室布局与环境要求	52
			10-煎药机、煎药锅等大型煎药设备的使用	53

			11-煎药机的煎煮压力、煎煮温度	54
			12-煎药机中药煎煮液的质量要求	55
		7.中药饮片发药交代技术	1-发药前核对患者信息与药品信息	56
			2-服药方法（分服、顿服、连服、特殊服法）	57
			3-服药温度（热服、温服、冷服）	58
			4-服药剂量	59
			5-服药时间（饭前服、饭后服、空腹服、睡前服、定时服、不拘时服）	60
			6-中药常规煎煮方法与特殊煎煮方法的交代	61
			7-服药饮食禁忌（病证、药物对饮食的禁忌）	62
			8-药品贮藏环境与有效期	63
			9-掌握有毒中药的使用注意	64
			10-药引的作用与服用方法	65
			11-联合用药的时间间隔	66
		8.中药饮片采购管理技术	中药饮片采购验收制度	67
		9.中药饮片贮存养护技术	1-中药霉变、虫蛀、变色、泛油、气味散失、风化、潮解、升华、粘连、融化、腐烂等变异现象	68
			2-中药质量变异的原因	69
			3-中药仓库的环境要求与防护措施	70
			4-干燥、冷藏、埋藏、化学药剂、对抗同贮、气调等养护方法	71
			5-中药仓储的色标管理	72
中成药调剂	1 中成药调剂基础知识	1.中成药的概念与分类		73
		2.处方药与非处方药的调剂区别		74
		3.中成药的剂型与规格		75
		4.含剧毒药的中成药的用法用量		76
		5.中成药的使用方法（内服、外用、注射）		77
		6.中成药的服药次数与剂量		78
		7.常用中成药的适应症与药物组成		79
		8.常用中成药的使用注意		80
	2 中成药调剂实践技能	1.中成药采购管理技术	1-中成药采购验收制度	81
			2-中成药的质量检查	82
		2.中成药贮存养护技术	1-中成药仓储的色标管理	83
			2-不同剂型中成药的贮存养护方法	84

			3-库房的温湿度管理与防护措施	85
		3.中成药处方审核技术	1-审核中成药处方的合法性、规范性、适宜性	86
			2-审核中成药的不合理联用(重复用药、配伍禁忌)	87
		4.中成药调剂供应技术	中成药库存管理(包括库存和货位管理)	88
		5.中成药发药交代技术	1-中成药发药前复核	89
			2-中成药的用法用量与疗程	90
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			5-中成药不良反应及处理办法	93
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		2.小包装中药饮片的品种与规格		95
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		6.小包装中药饮片的色标管理		99
	2 小包装中 药饮片调剂 实践技能	1.小包装中药饮片采购管理技术	1-小包装中药饮片采购验收制度	100
			2-小包装中药饮片基原的鉴别(基原与产地)	101
		2.小包装中药饮片贮存养护技术	1-小包装中药饮片库存管理	102
			2-小包装中药饮片养护要求	103
			3-出库明细账目和货位卡的记录处理	104
		3.小包装中药饮片调剂供应技术	1-小包装中药饮片的斗谱编排	105
			2-小包装中药饮片调剂设备的使用	106
			3-小包装中药饮片调配、复核步骤	107
		4.小包装中药饮片处方应付技术	小包装中药饮片处方应付原则	108
中药配 方颗粒 调剂	1 中药配方 颗粒调剂基 础知识	1.中药配方颗粒的概念及种类		109
		2.中药配方颗粒与中药饮片的服药方式差异		110
		3.中药配方颗粒与中药饮片的疗效差异		111
	2 中药配方 颗粒调剂实 践技能	4.中药配方颗粒采购管理技术	中药配方颗粒采购验收制度	112
		5.中药配方颗粒贮存养护技术	1-中药配方颗粒的库存管理	113
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毒性与麻醉性中药调剂	1 毒性与麻醉性中药调剂基础知识	1.毒性中药的概念		120
		2.大毒、有毒、小毒中药品种目录		121
		3.大毒、有毒、小毒中药用法用量		122
		4.中药中毒的原因及处理办法		123
		5.麻醉性中药罂粟壳的概念和临床应用		124
		6.麻醉药品“印鉴卡”的使用		125
	2 毒性与麻醉性中药调剂实践技能	1.毒性与麻醉性中药采购管理技术	1-毒性中药采购验收制度	126
			2-罂粟壳采购验收制度	127
		2.毒性与麻醉性中药调剂供应技术	1-毒性中药的保管要求（包括药品、处方、账卡、记录）	128
			2-毒性中药的用量要求	129
			3-毒性中药的调配步骤	130
			4-罂粟壳的保管要求（包括药品、处方、账卡、记录）	131
			5-含罂粟壳处方的权限要求	132
			6-罂粟壳的处方用量要求	133
			7-含罂粟壳处方的调配步骤	134
		3.毒性中药临床煎煮技术	毒性中药的特殊煎煮	135
		4.毒性中药发药交代技术	毒性中药的用法要求（如明确外用，入丸散剂等）	136
贵细中药调剂	1 贵细中药调剂基础知识	1.贵细中药的概念		137
		2.贵细中药品种目录		138
		3.贵细中药的用法用量		139
	2 贵细中药调剂实践技能	1.贵细中药采购管理技术	1-贵细中药采购验收制度	140
			2-贵细中药的划分依据	141
			3-贵细中药的包装要求	142
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		3.贵细中药调剂供应技术	1-贵细中药的保管要求（包括药品、处方、账卡、记录）	145
			2-贵细中药的调剂要求（称量精密度）	146
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		2.人员配置及继续教育要求管理法规		154
	3 药品管理	1.中药质量要求管理法规		155
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Foreword

Some contents of this document may involve related patents, and the issuing agency of this document assumes no responsibility to identify patents.

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WFCM

Introduction

As a traditional subject, Chinese medicine (CM) dispensing has been inherited from the past dynasties of pharmacists. Its theoretical system has been developed and improved in accordance with the needs of modern service. CM dispensing is an important part of pharmaceutical service, which is a bond connecting doctors and patients. The quality of dispensing directly affects the clinical efficacy of CM. At present, there are many irregular operation phenomena in the daily work of CM dispensing practitioners, which is related to the lack of systematic and standardized vocational education of CM dispensing. In China, CM dispensing practitioners mainly come from TCM higher education institutions, and CM dispensing vocational education lacks standards. In France, there is no official requirement for the qualification of TCM dispensing or the practitioners. Legally speaking, they are just general food salespeople. Japanese pharmacists can be engaged in the sales of TCM and the guidance of rational drug use only after passing the examination of CM knowledge of the "Japanese Oriental Medical Association". The acupuncturists need to pass the national acupuncture and Oriental medicine (NCCAOM certification committee examination, to receive vocational education practice process, 60 credits update license per year) or the California acupuncture board test (to receive vocational education practice process, 50 credits update license per year) to undertake the responsibility of CM dispensing, but hire non-professional personnel for the detailed dispensing work.

On the basis of systematically sorting out the knowledge system of TCM dispensing, this document coordinates laws and regulations and their applicability internationally, and formulates the vocational education standards and knowledge system framework of CM dispensing, which is helpful to guide TCM institutions to carry out standardized vocational education and training.

Specification for Vocational Education of Chinese Medicine Dispensing

1 Scope

This document specifies the professional requirements of quality, knowledge and skills for CM dispensing practitioners.

This document is applicable to relevant institutions that carry out TCM knowledge training in countries or regions all over the world. The trainees are all kinds of TCM practitioners.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

SCM3 *World Educational Criteria for Undergraduate Major of TCM (before CMD)*

3 Terms and Definitions

For the purposes of this document, the following terms and definitions apply.

3.1

TCM Dispensing

According to the prescription requirements of TCM doctors or TCM practitioners, the TCM dispensing practitioners dispense the processed qualified TCM decoction pieces or Chinese patent medicines for the use of patients scientifically.

3.2

Vocational Education

Education that enables the educated to obtain the professional knowledge, skills and professional ethics required by a certain occupation or productive labor.

3.3

Chinese Medicine Dispensing Practitioners

Personnel engaged in Chinese medicine dispensing-related work.

Note: Those engaged in Chinese medicine dispensing-related work for less than 5 years are primary CM dispensing personnel, while those engaged in Chinese medicine dispensing-related work for more than 5 years are senior CM dispensing personnel.

4 Training Objectives

a) CM dispensing practitioners can complete the normative vocational education according to the module of CM dispensing (see Annex A) and engage in CM dispensing according to the service requirements of the TCM industry.

b) CM dispensing practitioners have the concept and ability of lifelong learning, constantly improve their comprehensive quality, have a correct understanding of CM dispensing work, and can master and use relevant knowledge and skills well (see Annex B).

5 Trainees Requirements

a) CM dispensing practitioners who have mastered the basic theoretical knowledge of TCM.

b) CM dispensing practitioners who have not mastered the basic theoretical knowledge of TCM should be trained according to SCM3 and continue the further education according to this document.

c) Retraining for primary and senior CM dispensing practitioners shall meet the following requirements:

1) Primary CM dispensing practitioners should be trained on the "mastery" content involved in this document 7 and 8;

2) Senior CM dispensing practitioners should be trained on the contents of "master", "familiar with" and "understand" involved in this document 7 and 8.

6 Professional Quality Requirements

Professional quality of training for CM dispensing practitioners should meet the following requirements:

a) Abide by professional ethics, love the career of TCM, and have a serious-minded and meticulous service attitude.

b) Care for patients and take it as their responsibility to ensure the safety and efficacy of Chinese medicine.

c) Be good at communicating with patients or their family members and answer patients' medication puzzles patiently.

d) With a practical and realistic attitude, seeking help from superiors or other doctors and pharmacists actively when confronted with difficult problems in work.

e) Have the concept of law, abide by the law and discipline, and be able to use the law to protect the rights and interests of patients and themselves.

f) Be respected to the personal beliefs of others, understand the diverse cultural backgrounds and cultural values, and be a team player.

7 Professional Knowledge Requirements

7.1 Professional knowledge of TCM decoction pieces dispensing

7.1.1 Master the concepts of TCM decoction pieces, Dispensing room, dispensing counter, Prescription and Chinese medicine drawer.

7.1.2 Master the principles for the arrangement of Chinese medicine drawer position.

7.1.3 Master the measurement unit of TCM decoction pieces.

7.1.4 Master the structure and usage of small steelyard (Deng Zi), electronic scale and copper cylinder (Tong Gang).

7.1.5 Master the error control of CM dispensing for prescription.

7.1.6 Understand the classification and size requirements of packaging paper.

7.2 Professional knowledge of Chinese patent medicine dispensing

7.2.1 Master the concept and classification of Chinese patent medicine.

7.2.2 Master the difference between prescription drugs and over-the-counter drugs.

7.2.3 Master the dosage form and specification of Chinese patent medicine.

7.2.4 Master the usage and dosage of Chinese patent medicine containing severe poison.

7.2.5 Master the usage of Chinese patent medicine (oral, external and injection).

7.2.6 Master the taking times and single dose of Chinese patent medicine.

7.2.7 Master the indications and drug composition of commonly used Chinese patent medicines.

7.2.8 Master the warning of commonly used Chinese patent medicines.

7.3 Professional knowledge of small packaged TCM decoction pieces

dispensing

7.3.1 Master the concept of small packaged TCM decoction pieces.

7.3.2 Master the varieties and specifications of small packaged TCM decoction pieces.

7.3.3 Master the manufacturer identification of small packaged TCM decoction pieces.

7.3.4 Understand the packaging materials of small packaged TCM decoction pieces.

7.3.5 Understand the packaging method of small packaged TCM decoction pieces.

7.3.6 Understand the color code management of small packaged TCM decoction pieces.

7.4 Professional knowledge of TCM formula granules dispensing

7.4.1 Master the concept of TCM formula granules.

7.4.2 Master the different usages between TCM formula granules and TCM decoction pieces.

7.4.3 Understand the difference in curative effect between TCM formula granules and TCM decoction pieces.

7.5 Professional knowledge of toxic and narcotic CM

7.5.1 Master the concept of toxic CM.

7.5.2 Master the catalogue of extremely toxic CM, toxic CM and Less toxic CM.

7.5.3 Master the usage and dosage of extremely toxic CM, toxic CM and less toxic CM.

7.5.4 Master the causes and treatment of CM poisoning.

7.5.5 Master the concept and clinical application of opium poppy shell.

7.5.6 Understand the use of "signature card" of narcotic drugs.

7.6 Professional knowledge of precious CM

7.6.1 Master the concept of precious CM.

7.6.2 Master the usage and dosage of precious CM.

7.6.3 Understand the catalogue of precious CM.

7.7 Professional knowledge of laws and regulations of CM dispensing

7.7.1 Master the regulations on the classified management of prescription drugs and over-the-counter drugs.

7.7.2 Master the classified management laws and regulations of prescriptions.

7.7.3 Master the quality control laws and regulations of different dosage forms of

CM.

7.7.4 Master the regulations on facility management in TCM pharmacy, Decocting room, CM Storehouse, TCM preparation room and other places.

7.7.5 Master and correctly implement the regulations on the management of CM dispensing operation.

8 Professional Skills Requirements

8.1 Character identification skills of TCM decoction pieces

8.1.1 Master the source and origin of CM.

8.1.2 Master common Empirical identification terms of CM.

8.1.3 Master the identification methods of traditional characters such as observation, touch, smell, taste, water test and fire test.

8.1.4 Master the identification of high-quality TCM decoction pieces.

8.1.5 Master the character identification of processed TCM decoction pieces.

8.1.6 Understand the type and specification of TCM decoction pieces.

8.2 TCM decoction pieces processing skills for prescriptions specially

8.2.1 Master the varieties and processing methods of non-medicinal parts and impurities of TCM decoction pieces.

8.2.2 Master the varieties and methods of TCM decoction pieces that need to be mashed in advance or temporarily.

8.2.3 Master the varieties and methods of TCM decoction pieces that need to be fried with temporary prescriptions.

8.2.4 Master the processing method of fresh TCM decoction pieces.

8.2.5 Master the common processing methods such as fried with honey, wine, salt or sand.

8.2.6 Understand the special processing methods, such as four times processing *Rhizoma Cyperi*.

8.2.7 Understand the preparation of bolus, powders, ointment and Dan medicine.

8.2.8 Understand the quality requirements of processing excipients of CM.

8.2.9 Understand the choice of TCM processing tools.

8.3 Prescription distribution skills of TCM decoction pieces

8.3.1 Master the correct writing of the name, alias, prescription name and processed product name of TCM decoction pieces.

8.3.2 Master the varieties of raw products for according to the name which is written in the prescription.

8.3.3 Master the varieties of fresh TCM decoction pieces marked with "fresh" in

the prescription.

8.3.4 Master the varieties of processed products according to the name which is written in the prescription.

8.3.5 Master the varieties of TCM decoction pieces according to prescription that has indicated the processing requirements and should be prepared according to the requirements.

8.3.6 Master the prescription distribution skills for combined written TCM decoction pieces.

8.3.7 Master the prescription distribution skills for TCM decoction pieces that need to be processed for prescriptions specially.

8.3.8 Master the prescription distribution skills for TCM decoction pieces that need to be mashed.

8.3.9 Master the prescription distribution skills for TCM decoction pieces that need to be removed the non-medicinal parts.

8.3.10 Master the prescription distribution skills for TCM decoction pieces that need special decocting Methods.

8.4 Dispensing supply skills of CM

8.4.1 Master the environmental requirements and protective measures of the dispensing room.

8.4.2 Master the inspection, charging and cleaning of Chinese medicine drawer for TCM decoction pieces.

8.4.3 Master the storage and supply of fresh TCM decoction pieces.

8.4.4 Master the counting and putting on the shelves of Chinese patent medicines.

8.4.5 Master the placement order of small packaged TCM decoction pieces.

8.4.6 Understand the use of small package Chinese medicine decoction pieces dispensing vehicle.

8.4.7 Understand the identification and validity period management of TCM formula granules.

8.4.8 Master the preparation steps of small packaged TCM formula granules.

8.4.9 Master the preparation steps of the large box sealed packaging TCM formula granules.

8.4.10 Understand the operation steps of the automatic dispensing device for TCM formula granules.

8.4.11 Master the special management of anesthetic CM, toxic CM and precious CM.

8.5 Prescription checking skills of CM

- 8.5.1** Master the difference of type and color in different prescriptions.
- 8.5.2** Master the key checking points of the integrity, legality, timeliness and standardization of the prescription.
- 8.5.3** Master the key checking points of patient information such as department, name, age and sex.
- 8.5.4** Master the key checking points of CM information such as CM name, specification, quantity and label.
- 8.5.5** Master the key checking points of prescription notes.
- 8.5.6** Master the key checking points of usage and dosage for CM.
- 8.5.7** Master the key checking points of syndrome taboo and compatibility taboo (Including the incompatibility of TCM and Western medicine).
- 8.5.8** Master the key checking points of CM for special groups.
- 8.5.9** Master the key checking points of unreasonable combination for CM and other drugs.

8.6 Clinical decocting skills of TCM decoction pieces

- 8.6.1** Master the normal decocting skills and taking methods of TCM decoction pieces.
- 8.6.2** Master the special decocting skills and taking methods of decocting first, decocting down, wrapped decocting, decocting separately, melting, soaking, taking drenched, mixing in the decoction, decocting soup instead of water, etc.
- 8.6.3** Master the decocting water and water consumption for TCM decoction pieces.
- 8.6.4** Master the soaking time of different TCM decoction pieces and the choice of soaking container.
- 8.6.5** Master the decocting time of TCM decoction pieces.
- 8.6.6** Master the degree of heating fire for TCM decoction.
- 8.6.7** Understand the mixing tools and packaging materials.
- 8.6.8** Understand the points needing attention in the process of decocting.
- 8.6.9** Understand the layout and environmental requirements of the decocting room.
- 8.6.10** Familiar with the usage of decocting machines, decocting pot and other large decocting devices.
- 8.6.11** Understand the pressure and temperature of decocting machine.
- 8.6.12** Understand the quality requirements of TCM decoction.

8.7 Delivery and medication guidance skills of CM

- 8.7.1** Master the review of patient information and drug information.

- 8.7.2 Master the method of taking CM (taking separately, taking for one time, taking continuously and special taking methods).
- 8.7.3 Master the decoction' taking temperature(including hot, tepid and cold).
- 8.7.4 Master the dosage of taking CM.
- 8.7.5 Master the time of taking CM (before meals, after meals, on an empty stomach, before going to bed, regularly and at random).
- 8.7.6 Master the explanation of conventional and special decocting methods of TCM decoction pieces.
- 8.7.7 Master the taboos of taking CM and diet. (taboo of syndrome and diet)
- 8.7.8 Master the storage environment and expiration date of CM.
- 8.7.9 Master the usage attention of toxic CM.
- 8.7.10 Understand the function and taking method of efficacy-enhancing ingredients of CM.
- 8.7.11 Understand the time interval of combination medication.

8.8 Procurement management skills of CM

- 8.8.1 Master the procurement and acceptance system of TCM decoction pieces.
- 8.8.2 Master the procurement and acceptance system of Chinese patent medicine.
- 8.8.3 Master the procurement and acceptance system of small packaged TCM decoction pieces.
- 8.8.4 Master the procurement and acceptance system of TCM formula granules.
- 8.8.5 Master the procurement and acceptance system of narcotic CM.
- 8.8.6 Master the procurement and acceptance system of toxic CM.
- 8.8.7 Master the purchasing and acceptance system of precious CM.

8.9 Storage and maintenance management skills of CM

- 8.9.1 Master the quality variation of CM, such as mildew, moth-eaten, discoloration, oil flashing, odor loss, weathering, deliquescence, sublimation, adhesion, melting and decay.
- 8.9.2 Master the causes of quality variation.
- 8.9.3 Master the environmental requirements and protective measures of CM in the storehouse.
- 8.9.4 Master the curing methods such as drying, refrigeration, burial, chemical agent; two or more drugs are stored together to prevent mildew, modified atmosphere storage, etc.
- 8.9.5 Understand the color code management of CM storage.
- 8.9.6 Understand the storage and maintenance methods of different dosage forms of Chinese patent medicines.

8.9.7 Understand the storage and protective methods of *Panax ginseng*, *cartialgenous*, *Moschus moschiferus* and other precious CM.

VNFCM

Annex A
(Normative)

Standardized vocational education module of Chinese medicine dispensing

The training objectives of Chinese medicine (CM) dispensing vocational education include seven normative vocational education modules: TCM decoction pieces dispensing, Chinese patent medicine dispensing, small package TCM decoction pieces dispensing, TCM formula granules dispensing, toxic and narcotic Chinese medicine dispensing, precious Chinese medicine dispensing, and laws and regulations of Chinese medicine dispensing (Figure 1) .

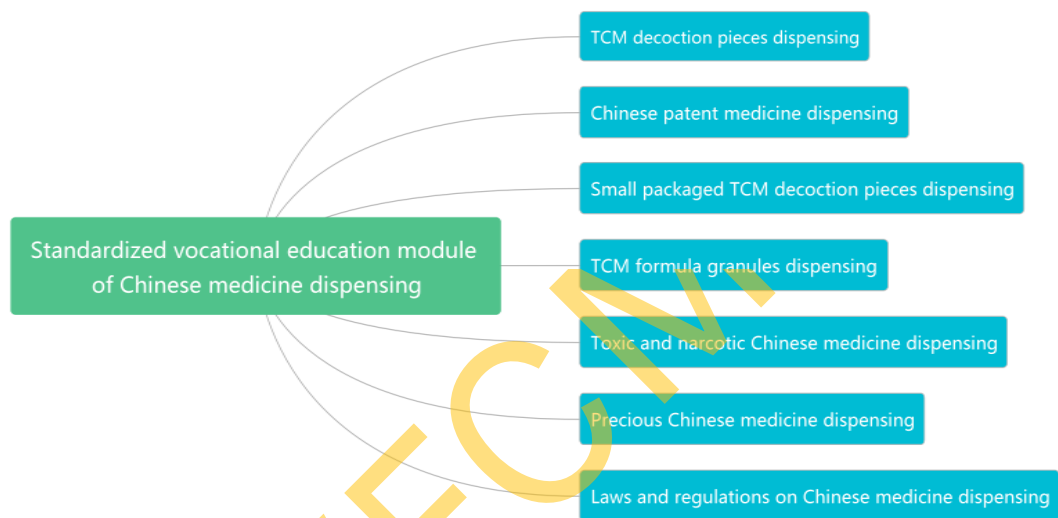


Figure 1 Framework of standardized vocational education module of Chinese medicine dispensing

Annex B
(Informative)

Knowledge system framework of Chinese medicine dispensing

Under the guidance of 7 normative education modules of Chinese medicine dispensing, there are 18 level 2 knowledge Catalog such as basic knowledge of TCM decoction pieces dispensing; 85 level 3 knowledge Catalog such as concepts of TCM decoction pieces, dispensing room, dispensing counter, Prescription and Chinese medicine drawer; and 114 level 4 knowledge Catalog such as base and origin of Chinese medicinal materials. Under the framework of Chinese medicine dispensing knowledge system Catalog, 169 knowledge contents can be extracted by referring to existing TCM laws and regulations, standards, textbooks and other documents (see Table 1).

Table 1 Structured knowledge system framework of Chinese medicine dispensing

Level 1 Knowledge Catalog	Level 2 Knowledge Catalog	Level 3 Knowledge Catalog	Level 4 Knowledge Catalog	Knowledge Content No.
Dispensing of TCM decoction pieces	1 basic knowledge of TCM decoction pieces dispensing	1. The concepts of TCM decoction pieces, Dispensing room, dispensing counter, Prescription and CM drawer		1
		2. The principles for the arrangement of CM drawer position		2
		3. Measurement unit of TCM decoction pieces		3
		4. The structure and usage of small steelyard (Deng Zi), electronic scale and copper cylinder (Tong Gang)		4
		5. The error control of CM dispensing for prescription		5

		6. The classification and size requirements of packaging paper		6
	2 Skill operation of TCM decoction pieces dispensing	1. Character identification skills of TCM decoction pieces	1-Base and origin of Chinese medicinal materials	7
			2- Common Empirical identification terms of CM	8
			3-The identification methods of traditional characters such as observation, touch, smell, taste, water test and fire test	9
			4-The identification of high-quality TCM decoction pieces	10
			5-The character identification of processed TCM decoction pieces	11
			6-The type and specification of TCM decoction pieces	12
		2. TCM decoction pieces processing skills for prescriptions specially	1-The varieties and processing methods of non-medicinal parts and impurities of TCM decoction pieces	13
			2-The varieties and methods of TCM decoction pieces that need to be mashed in advance or temporarily.	14
			3-The varieties and methods of TCM decoction pieces that need to be fried with temporary prescriptions.	15
			4-The processing method of fresh TCM decoction pieces.	16
			5-The common processing methods such as fried with honey, wine, salt or sand.	17
			6-The special processing methods, such as four times processing <i>Rhizoma Cyperi</i> .	18
			7-The preparation of bolus, powders, ointment and Dan medicine.	19
			8-The quality requirements of processing excipients of CM	20

			9-The choice of TCM processing tools	21
		3. Prescription distribution skills of TCM decoction pieces	1-The correct writing of the name, alias, prescription name and processed product name of TCM decoction pieces	22
			2-The varieties of raw products for according to the name which is written in the prescription.	23
			3-The varieties of fresh TCM decoction pieces marked with "fresh" in the prescription.	24
			4-The varieties of processed products according to the name which is written in the prescription.	25
			5-The varieties of TCM decoction pieces according to prescription that has indicated the processing requirements and should be prepared according to the requirements.	26
			6-The prescription distribution skills for combined written TCM decoction pieces	27
			7-The prescription distribution skills for TCM decoction pieces that need to be processed for prescriptions specially.	28
			8-The prescription distribution skills for TCM decoction pieces that need to be mashed.	29
			9-The prescription distribution skills for TCM decoction pieces that need to be removed the non-medicinal parts	30
			10-The prescription distribution skills for TCM decoction pieces that need special decocting Methods	31
		4. Dispensing supply skills of TCM decoction pieces	1-The environmental requirements and protective measures of the dispensing room	32

			2-The inspection, charging and cleaning of Chinese medicine drawer for TCM decoction pieces	33
			3-The storage and supply of fresh TCM decoction pieces	34
		5. Prescription checking skills of TCM decoction pieces	1-The difference of type and color in different prescriptions	35
			2-The key checking points of the integrity, legality, timeliness and standardization of the prescription	36
			3-The key checking points of patient information such as department, name, age and sex	37
			4-The key checking points of CM information such as CM name, specification, quantity and label	38
			5-The key checking points of prescription notes	39
			6-The key checking points of usage and dosage for CM	40
			7-The key checking points of syndrome taboo and compatibility taboo (Including the incompatibility of TCM and Western medicine)	41
			8-The key checking points of CM for special groups	42
			9-The key checking points of unreasonable combination for CM and other drugs	43
		6. Clinical decocting skills of TCM decoction pieces	1-The normal decocting skills and taking methods of TCM decoction pieces	44

			2-The special decocting skills and taking methods of decocting first, decocting down, wrapped decocting, decocting separately, melting, soaking, taking drenched, mixing in the decoction, decocting soup instead of water, etc.	45
			3-The decocting water and water consumption for TCM decoction pieces	46
			4-The soaking time of different TCM decoction pieces and the choice of soaking container	47
			5-The decocting time of TCM decoction pieces	48
			6-The degree of heating fire for TCM decoction	49
			7-the mixing tools and packaging materials	50
			8-The points needing attention in the process of decocting	51
			9-The layout and environmental requirements of the decocting room	52
			10-The usage of decocting machines, decocting pot and other large decocting devices	53
			11-The pressure and temperature of decocting machine	54
			12-The quality requirements of TCM decoction	55
		7. Delivery and medication guidance skills of TCM decoction pieces	1-The review of patient information and drug information	56
			2-The method of taking CM (taking separately, taking for one time, taking continuously and special taking methods)	57

			3-The decoction' taking temperature(including hot, tepid and cold)	58	
			4-The dosage of taking decoction	59	
			5-The time of taking CM (before meals, after meals, on an empty stomach, before going to bed, regularly and at random)	60	
			6-The explanation of conventional and special decocting methods of TCM decoction pieces	61	
			7-The taboos of taking CM and diet. (taboo of syndrome and diet)	62	
			8-The storage environment and expiration date of CM	63	
			9-The usage attention of toxic CM	64	
			10-The function and taking method of efficacy-enhancing ingredients of CM	65	
			11-The time interval of combination medication	66	
			8. Procurement management skills of TCM decoction pieces	The procurement and acceptance system of TCM decoction pieces	67
			9. Storage and maintenance skills of TCM decoction pieces	1-The quality variation of CM, such as mildew, moth-eaten, discoloration, oil flashing, odor loss, weathering, deliquescence, sublimation, adhesion, melting and decay	68
2-The causes of quality variation	69				
3-The environmental requirements and protective measures of CM in the storehouse	70				
4- The curing methods such as drying, refrigeration, burial, chemical agent, two or more drugs are stored together to prevent mildew, modified atmosphere storage	71				

			5-The color code management of CM storage	72
Dispensing of Chinese patent medicine	1 Basic knowledge of Chinese patent medicine dispensing	1. The concept and classification of Chinese patent medicine		73
		2. The difference between prescription drugs and over-the-counter drugs		74
		3. The dosage form and specification of Chinese patent medicine		75
		4.The usage and dosage of Chinese patent medicine containing severe poison.		76
		5.The usage of Chinese patent medicine (oral, external and injection)		77
		6.The taking times and single dose of Chinese patent medicine		78
		7.The indications and drug composition of commonly used Chinese patent medicines.		79
		8. The warning of commonly used Chinese patent medicines		80
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