

M C P S E R V E R

N O C O D E

C L O U D H O S T E D

Myotherapy Treatment Planner MCP

Build precise clinical treatment plans in seconds.

Myotherapy Treatment Planner MCP gives your AI client the clinical logic needed to design myotherapy sessions. It analyzes pain locations, trigger points, and muscle dysfunction to suggest specific techniques, time allocations, and safe home exercise protocols.

A+ Quality Score 100/100

myotherapy

clinical-planning

musculoskeletal

treatment-protocol

physical-therapy



The connectivity layer between AI and the world's software.



Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest
managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.

— Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256

Encryption at rest

Ed25519

PKI vault signatures

24h TTL

Ephemeral session keys

V8 Isolate

Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT`https://edge.vinkius.com/{token}/mcp`

Claude



Cursor



VS Code



Windsurf



Grok



Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

06 — Honeypot Trap System

Phantom credentials are injected into isolated environments. If a honeypot is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1)
Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

Get started at cloud.vinkius.com — connect your AI agent in under 60 seconds.

Myotherapy Treatment Planner MCP

4 tools available

Cloud-hosted on Vinkius

You can use this MCP to bridge the gap between patient assessment and session execution. Instead of manually calculating treatment density or checking exercise safety, you let your AI agent handle the heavy lifting. When you input a patient's physical symptoms, the MCP uses clinical logic to map out treatment areas and specific technique selections. It doesn't just suggest what to do; it checks if the plan actually fits within a standard appointment window and ensures that any recommended home care won't aggravate existing movement restrictions. It acts as a clinical reasoning partner that stays grounded in myotherapy principles.

Core Capabilities

01 — Clinical Plan Generation

Your agent uses patient symptoms to build structured treatment protocols.

02 — Technique Verification

The AI pulls specific clinical details for any myotherapy technique you select.

03 — Safety Auditing

Your agent checks home exercise recommendations against reported movement restrictions.

04 — Time Management

The MCP calculates if the treatment density fits within your scheduled appointment time.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/myotherapy-treatment-planner — connect your AI agent in three steps.

- 01

Connect your preferred MCP-compatible client to Vinkius.
- 02

Provide your patient's clinical symptoms to your AI agent.
- 03

The agent uses the MCP to generate or validate the treatment plan.
- 04

Review the structured plan and technique details in your chat interface.

Connect your AI client to Vinkius to start using these clinical tools immediately.

Built For

This MCP is designed for musculoskeletal practitioners who want to speed up their clinical documentation and planning.

Myotherapists

They hand off patient symptom data to the AI to generate session outlines.

Physical Therapists

They use the tool to validate home care exercises and check technique protocols.

Clinical Managers

They use the efficiency tool to ensure treatment plans remain realistic for staff.

What Changes When You Connect

- 01

Reduces manual calculation of treatment time and density.
- 02

Prevents unsafe home exercise recommendations through automated validation.
- 03

Provides instant access to specific technique clinical details.

- 04 Standardizes treatment planning based on specific trigger points and pain locations.
-

Real-World Applications

New Patient Assessment

Input a fresh set of symptoms to get a structured starting point for a treatment plan.

Home Care Safety Checks

Verify that a set of stretches won't aggravate a patient's specific movement restrictions.

Session Optimization

Check if a complex treatment plan can actually be completed within a 30 or 60 minute slot.

Technique Reference

Quickly pull clinical details for a specific manual therapy technique during planning.

Patterns to Avoid

Ignoring movement restrictions

❌ AVOID

You suggest a deep hamstring stretch to a patient who just reported acute lower back pain. This could cause more harm than good.

✓ INSTEAD

Always run your home care suggestions through `validate\_home\_care` to ensure they don't aggravate reported restrictions.

Overstuffing a session

❌ AVOID

You plan five different manual techniques for a 30 minute slot and realize halfway through that you're running behind.

✓ INSTEAD

Use `calculate\_session\_efficiency` to confirm your plan actually fits within the scheduled appointment window before you start.

Manual symptom mapping

❌ AVOID

You spend ten minutes staring at a notepad trying to decide which techniques match a specific cluster of muscle tension.

✓ INSTEAD

Input the symptoms directly into ``get_treatment_plan`` to get a structured protocol immediately.

The Right Fit

Connect this MCP if you are a musculoskeletal practitioner looking to standardize your clinical reasoning. Do not connect it if you do not work with physical symptoms or movement-based rehabilitation. The decision depends entirely on whether you want to automate the validation of treatment density and safety.



4 Clinical Tools for Myotherapy Planning

These tools handle the math and safety checks for your treatment protocols. They turn raw patient symptoms into actionable, time-checked clinical plans.

#	TOOL	DESCRIPTION
01	calculate_session_efficiency	This tool checks if your proposed treatment plan is realistic for a standard clinical appointment time.
02	get_technique_details	Use this to pull specific clinical information and protocols for a particular myotherapy technique.
03	get_treatment_plan	This tool generates a structured clinical treatment plan based on the patient's specific physical symptoms.
04	validate_home_care	This tool verifies that recommended home exercises are safe given the patient's reported movement restrictions.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

- U** Generate a treatment plan for a patient with lower back pain, a trigger point in the quadratus lumborum, and limited lumbar flexion.



The plan targets the lumbar region using ischemic compression for the trigger point and myofascial release for muscle tension, totaling 45 minutes.

- U** What are the details for the 'Ischemic Compression' technique?



Ischemic Compression is a manual therapy technique that applies sustained pressure to a hyperirritable trigger point to improve local blood flow.

- U** Is it safe to recommend 'Cat-Cow' stretches for a patient with acute lumbar disc irritation?



No, this exercise is unsafe for this specific restriction because spinal flexion might worsen the disc irritation.

Frequently Asked Questions

01 What AI clients can I use with this MCP?

You can use this MCP with any compatible client like Claude, Cursor, Windsurf, or VS Code.

02 How does the MCP ensure home exercises are safe?

The validate_home_care tool compares proposed exercises against the specific movement restrictions reported by the patient.

03 Can I use this to check if my treatment plan is too long?

Yes, the `calculate_session_efficiency` tool evaluates if the treatment density is realistic for a standard appointment.

04 Do I need to host the MCP myself?

No, Vinkius hosts and manages the MCP for you. You just connect your client and start working.

05 What kind of clinical data does it use?

It uses data like pain locations, trigger points, and muscle dysfunction to build its plans.

06 How does the tool generate a treatment plan?

The `'get_treatment_plan'` tool processes the reported pain locations, trigger points, and muscle dysfunctions to map them against standardized myotherapy protocols.

07 Can I check if exercises are safe for my patient?

Yes, you can use `'validate_home_care'` to check if a specific list of exercises is appropriate given the patient's reported movement restrictions.

08 How do I know if my planned session is too long or too short?

The `'calculate_session_efficiency'` tool evaluates the planned duration against the number of treatment areas to ensure the session is clinically feasible.

Go Live in 60 Seconds

Get your connection token from cloud.vinkius.com, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

`https://edge.vinkius.com/[TOKEN]/mcp`

CLIENT	WHERE TO CONFIGURE
 Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"myotherapy-treatment-planner": { "url": "..." }</code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
 Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

-  Ask ChatGPT 
-  Ask Claude 
-  Ask Perplexity 
-  Ask Gemini 
-  Ask Grok 

READY TO CONNECT

Myotherapy Treatment Planner is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and
start building. No SDK. No deployment. Just results.

Start at cloud.vinkius.com →

vinkius.com · support@vinkius.com

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DOCUMENT INFORMATION

Generated	September 2026
MCP Server	Myotherapy Treatment Planner MCP
Server ID	01a0bb36-bfe8-7325-9cc6-52c7cb0b7b9a
Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

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