



2026 Mini-Fellowship Intensive Training Course

A Comprehensive Curriculum Overview for Prospective Participants

AT A GLANCE

Location: Ketamine Research Institute — 5969 Cattleridge Blvd., Suite 104, Sarasota, FL 34232

Format: 3-Day In-Person Intensive | Thursday – Saturday, 9:00 AM – 5:00 PM

Dress Code: Casual and comfortable — this is a hands-on, informal setting

Materials: A comprehensive Course Workbook is provided — no notetaking required

Before the Course Begins

Please complete and return your Patient Registration and Brief Medical History forms by email or fax as soon as possible. If you will be participating in the optional Ketamine Experience on Day 2 or Day 3, you will need to arrange transportation (Uber or similar) for that day — you will not be able to drive following your infusion.

DAY 1

Ketamine Fundamentals, Compliance & Practice Setup

Thursday | 9:00 AM – 5:00 PM

Day 1 establishes the scientific and regulatory foundation of the course — where ketamine came from, why the standard protocol falls short, and what it takes to run a safe, compliant, and effective infusion practice from day one.

MODULE 1

The Scientific Journey of Ketamine

- From anesthetic origins (1960s) to FDA approval
- The 1994 Krystal Study & birth of the 0.5 mg/kg protocol
- Landmark antidepressant studies (Berman 2000, Zarate 2006)
- The 6-infusion standard and its real-world limitations

MODULE 2

Clinical Excellence & Regulatory Compliance

- APA, ASA, FSMB, and DEA frameworks
- Patient selection: ideal candidates vs. contraindications
- Anesthesiology-standard documentation across all three infusion phases
- Standardized intake forms, PHQ-9, GAD-7, and DEA log requirements

MODULE 3

DEA Compliance & Controlled Substance Management

- Controlled substance logbook mastery
- Vial serialization, inventory, and secure storage (21 CFR 1301.75)
- Waste management: two-person integrity rule and DEA Form 41
- Procurement, account setup, and the SORS reporting system

MODULE 4

Setting Up Your Infusion Practice

- Infusion center layout and suite design (120 sq ft per suite)
- Staffing requirements: qualified practitioner + RN, ACLS certification
- Required equipment: monitors, syringe pumps, crash carts, oxygen
- Start-up cost estimates and operational readiness checklist

MODULE 5

The Future of Ketamine Therapy — Why Standards Matter

- Real-world outcomes vs. clinical trial success rates
- The risks of commercialization, telehealth prescribing, and regulatory backlash
- Why 0.5 mg/kg fails as a one-size-fits-all solution
- The shift toward plasma concentration targeting and precision medicine

◆ Clinical Session: Introduction to the Infusion Room

The infusion room is the operational core of a ketamine practice. How it is designed, equipped, and managed directly shapes clinical outcomes, patient safety, and the therapeutic experience. This session establishes the foundational competencies every KRI-trained clinician must master before administering their first independent infusion.

- Full walkthrough of the infusion encounter — from pre-visit intake to next-day follow-up
- IV access, pump programming, and infusion management hands-on
- Airway assessment & emergencies, airway devices – BVM ventilation, LMA, ETT etc.
- Patient monitoring: pulse oximetry, capnography, cardiac monitoring, sedation scoring
- Set and setting as clinical variables: lighting, music, positioning, staff behavior
- Discharge criteria, documentation, and post-infusion instructions

DAY 2

Advanced Practice, Pharmacokinetics & Supervised Clinical Training

Friday | 9:00 AM – 5:00 PM

Day 2 moves into the pharmacological science that separates a KRI-trained clinician from the standard clinic — including the critical variables that determine whether a patient responds or drops out. The afternoon includes supervised clinical training and the optional personal infusion experience.

MODULE 6

Pharmacokinetics & Plasma Concentrations

- Why weight-based dosing produces unpredictable plasma levels
- Volume of distribution, metabolism, and elimination variables
- Defining Cmax, MEC, and MTC — the therapeutic "sweet spot"
- Transitioning from mg/kg dosing to targeted plasma concentrations (ng/ml)

MODULE 7

Mechanism of Action — The Master Molecule

- Racemic ketamine: (S)- and (R)-ketamine enantiomers and active metabolites
- NMDA receptor blockade, the glutamate surge, and neuroplasticity cascades (BDNF, mTORC1)
- Ketamine as a "dirty drug" — activity at 23+ receptor sites
- Depression as a disconnection syndrome: DMN, SN, and CEN network dysfunction

MODULE 8	<p>Mastery of Delivery & Risk Management</p> <ul style="list-style-type: none"> • IV, IM, intranasal, and oral routes — bioavailability and clinical trade-offs • Neurological, cardiovascular, respiratory, and hepatic risk profile • Managing dissociation and sympathomimetic effects in real time • Airway issues, recognition and management • Long-term risks: differentiating therapeutic use from ketamine abuse
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MODULE 9	<p>Advanced Pharmacokinetics & Target-Determined Infusions</p> <ul style="list-style-type: none"> • The 3-compartment pharmacokinetic model: distribution, accumulation, elimination • KRI's 800-infusion dataset: identifying ED50 and ED75 plasma sweet spots • Correlation between infusion rate, receptor occupancy, and Cmax • Introduction to the KRI Clinical Companion for real-time plasma targeting
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◆ Clinical Session: Supervised Infusion Training

Supervised clinical sessions bridge didactic knowledge and real-world practice. Under the direct oversight of experienced ketamine clinicians, trainees execute every phase of the infusion encounter — developing the procedural fluency, clinical judgment, and patient management skills that define safe, effective ketamine therapy.

- Hands-on management of the complete infusion sequence under expert supervision
- Dose selection, rate titration, and real-time monitoring
- Adverse event recognition: hypertension, tachycardia, emergence reactions
- Airway assessment & emergencies, airway devices – BVM ventilation, LMA, ETT etc.
- Therapeutic presence: knowing when to intervene vs. when to hold space
- Documentation, procedure notes, and post-infusion patient debriefing

◆ Optional: The Ketamine Infusion Experience (Day 2 or Day 3)

A defining component of KRI clinical training. Clinicians who have personally undergone a supervised ketamine experience are demonstrably better equipped to guide, prepare, and support their patients through one.

Why This Matters Clinically

The ketamine experience is not simply sedation — it is a non-ordinary state of consciousness that can be disorienting, emotionally intense, and for many patients, profoundly meaningful. Clinicians who have never experienced this state are working with a significant perceptual gap. Firsthand experience closes that gap.

- A supervised low-dose ketamine infusion in a controlled clinical setting
- Firsthand exposure to dissociation, time distortion, and altered perception
- Overseen by a senior KRI clinician with full safety protocols in place
- Structured post-infusion reflection on clinical implications and empathic insight
- Practical training in debriefing and integration techniques for use with your own patients

DAY 3	<p>Precision Medicine, Targeted Infusions & Putting It All Together</p> <p><i>Saturday 9:00 AM – 5:00 PM</i></p>
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Day 3 brings everything together with the precision medicine methodology that defines KRI-trained practice — covering the clinical variables that most programs ignore entirely and providing the practical tools you'll use on Day 1 in your own infusion suite.

MODULE 10	<p>Transforming Your Approach: The Critical Variables</p> <ul style="list-style-type: none"> • From total body weight to adjusted body weight dosing • The "Five Moving Parts": mass, metabolism, medications, morbidities, mindset • Medication reconciliation in treatment-resistant depression: polypharmacy realities • Key pharmacological roadblocks: benzodiazepines, lamotrigine, antipsychotics, opioid antagonists
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MODULE 11	<p>Metabolism, Genetics & Comorbidity Management</p> <ul style="list-style-type: none"> • CYP450 modulators, genetic variants (BDNF, MTHFR, COMT), and dosing adjustment • Genomind pharmacogenomic testing in clinical practice • Metabolic comorbidities: MTHFR, hypotestosteronemia, hypomagnesemia, carnitine deficiency • The KRI Clinical Companion: automated safety checks and pre-infusion optimization
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MODULE 12	<p>Precision Medicine in Practice — The SOMA Framework</p> <ul style="list-style-type: none"> • Selection, Optimization, Monitoring, Adjustment — the full clinical workflow • Standard vs. advanced eligibility matrices and red flag identification • Step-by-step patient optimization: correcting MTHFR, medications, hormones, nutrients • Understanding tolerance, tachyphylaxis, and ketamine-induced glutamate excitotoxicity
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MODULE 13	<p>Ketamine Therapy Improved: Personalized Dosing & Treatment Trajectories</p> <ul style="list-style-type: none"> • Diagnosis-specific plasma concentration targets: anxiety/PTSD, depression/bipolar, neuropathic pain • Navigating the four levels of consciousness from anxiolysis to reorientation • The three-stage treatment trajectory: Induction, Reinforcement, and Maintenance phases • Using real-time biometrics (HR, HRV, respiration) to guide and refine the series
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MODULE 14	<p>Putting It All Together: Tools for Clinical Success</p> <ul style="list-style-type: none"> • Point-of-care rapid reference guides and standardized clinical protocols • Setting realistic patient expectations and explaining the ketamine journey • The KRI Clinical Companion: personalized dosing, medication safety, and real-time clinical intelligence • The KRI Mentorship Program: ongoing case review, urgent support, and professional development
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SPECIAL MODULE 15	<p>Clinical Ethics, Medical-Legal Standards & Professional Accountability</p> <ul style="list-style-type: none"> • Informed consent beyond the form: off-label disclosure obligations, realistic outcome representation, and patient autonomy in vulnerable psychiatric populations • Scope of practice boundaries for non-psychiatrist practitioners and mandatory psychiatric clearance criteria • Coordination of care standards: formal protocols for communicating with the patient's existing mental health team • Malpractice exposure in ketamine practice: off-label prescribing liability, standard of care documentation as legal defense, and critical incident reporting • Quality assurance frameworks: adverse event reporting, outcome tracking methodology, and peer review standards • Business compliance in cash-pay practice models: anti-kickback statute awareness and appropriate financial disclosures to patients • Continuing competency: CME requirements, credentialing considerations, and maintaining currency as clinical standards evolve
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<p>◆ Clinical Session: Supervised Infusion Training (continued)</p> <ul style="list-style-type: none"> • Continued hands-on supervised infusion experience • Applying precision medicine principles to real patient scenarios • Series progression planning: adjusting subsequent infusions based on response data • Discharge criteria, documentation, and next-visit scheduling
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WHAT YOU TAKE HOME

Clinical Resources

- ✓ Comprehensive Course Workbook
- ✓ All forms, consents, and DEA documentation
- ✓ Assessment tools (PHQ-9, GAD-7, PTSD Index, Beck Depression)
- ✓ Ketamine infusion records and DEA-compliant logbooks
- ✓ Certified Ketamine Clinician logo for your website or practice materials

Ongoing Support

- ✓ KRI Certification as a qualified ketamine therapy clinician
- ✓ Access to the KRI graduate referral network
- ✓ Year-long personal mentorship with Dr. Grass
- ✓ Access to the KRI Clinical Companion app (2026)
- ✓ Invitation to the KRI graduate discussion board

Questions? Ready to Apply?

Contact Charlene at 800-850-6979 or visit ketamineinstitutetraining.com

Class openings fill several months in advance — early application is strongly encouraged.