

12th World Congress on

September 17-18, 2018 Singapore

Effect of ETAS in pre-dementia cognitive disorder in young age

Natalia Mikhaylichenco
Nevron International Medical Center, Russia

Background & Aims: Young Onset Dementia (YOD) is the term used to define the cognitive disorder in the persons under 65. YOD is grown with age. In the age of 30-44, 1 of 1,500 suffers from dementia, in the age of 45-64, 1 of 750. Clinical signs YOD are more variable than at Old Onset Dementia (OOD). These are depression, apathy, anxiety, sleep disorder. They are not associated with cognitive deficit. Assessment at YOD differs from OOD and includes collection of information of the patient and his family, neurological status, the more wide range of cognitive disorder assessment and neuroimaging. The aim is to research the effect of ETAS on the major non-cognitive disorder in young patients with early dementia.

Methods: 12 patients (6 men and 6 women) of 44-62 with early dementia were assessed. The patients were divided in three groups according to the leading symptom: (1) 4 persons (33.3%) with depression and apathy, (2) 4 persons (33.3%) with asthenic anxious disorder and (3) 4 persons (33.3%) with expressed sleep disorder. Neurological status was assessed, neuropsychological testing, MRI (brain, cerebral and neck vessels) were performed before and after treatment. All patients received ETAS (1,000 mg per a day, in the evening) for 12 weeks.

Results & Conclusion: According to the study results the best response to the therapy was shown by the sleep disorder and anxiety group (72%), the major symptoms were reversed, the cognitive functions were improved. It means that at a activity reduced (mood is normalized) cognitive facilities are increased. The less effect was shown by the patients with depression (40%), maybe, the more long treatment is required. ETAS is recommended at early dementia for timely correction of non-cognitive disorder as a medication improving higher cortical functions, emotional sphere, personal psychological constitution and neurophysiological measures in the whole.

Biography

Natalia Mikhaylichenco, MD, PhD, 1985-1987, DSc, MD, 1988-1997, DSc, MD, 1998-1999, DSc, MD, 2000-2002, DSc, MD, 2003-2005, DSc, MD, 2006-2008, DSc, MD, 2009-2011, DSc, MD, 2012-2014, DSc, MD, 2015-2017, DSc, MD, 2018-2020, DSc, MD, 2021-2023, DSc, MD, 2024-2026, DSc, MD, 2027-2029, DSc, MD, 2030-2032, DSc, MD, 2033-2035, DSc, MD, 2036-2038, DSc, MD, 2039-2041, DSc, MD, 2042-2044, DSc, MD, 2045-2047, DSc, MD, 2048-2050, DSc, MD, 2051-2053, DSc, MD, 2054-2056, DSc, MD, 2057-2059, DSc, MD, 2060-2062, DSc, MD, 2063-2065, DSc, MD, 2066-2068, DSc, MD, 2069-2071, DSc, MD, 2072-2074, DSc, MD, 2075-2077, DSc, MD, 2078-2080, DSc, MD, 2081-2083, DSc, MD, 2084-2086, DSc, MD, 2087-2089, DSc, MD, 2090-2092, DSc, MD, 2093-2095, DSc, MD, 2096-2098, DSc, MD, 2099-2101, DSc, MD, 2102-2104, DSc, MD, 2105-2107, DSc, MD, 2108-2110, DSc, MD, 2111-2113, DSc, MD, 2114-2116, DSc, MD, 2117-2119, DSc, MD, 2120-2122, DSc, MD, 2123-2125, DSc, MD, 2126-2128, DSc, MD, 2129-2131, DSc, MD, 2132-2134, DSc, MD, 2135-2137, DSc, MD, 2138-2140, DSc, MD, 2141-2143, DSc, MD, 2144-2146, DSc, MD, 2147-2149, DSc, MD, 2150-2152, DSc, MD, 2153-2155, DSc, MD, 2156-2158, DSc, MD, 2159-2161, DSc, MD, 2162-2164, DSc, MD, 2165-2167, DSc, MD, 2168-2170, DSc, MD, 2171-2173, DSc, MD, 2174-2176, DSc, MD, 2177-2179, DSc, MD, 2180-2182, DSc, MD, 2183-2185, DSc, MD, 2186-2188, DSc, MD, 2189-2191, DSc, MD, 2192-2194, DSc, MD, 2195-2197, DSc, MD, 2198-2200, DSc, MD, 2201-2203, DSc, MD, 2204-2206, DSc, MD, 2207-2209, DSc, MD, 2210-2212, DSc, MD, 2213-2215, DSc, MD, 2216-2218, DSc, MD, 2219-2221, DSc, MD, 2222-2224, DSc, MD, 2225-2227, DSc, MD, 2228-2230, DSc, MD, 2231-2233, DSc, MD, 2234-2236, DSc, MD, 2237-2239, DSc, MD, 2240-2242, DSc, MD, 2243-2245, DSc, MD, 2246-2248, DSc, MD, 2249-2251, DSc, MD, 2252-2254, DSc, MD, 2255-2257, DSc, MD, 2258-2260, DSc, MD, 2261-2263, DSc, MD, 2264-2266, DSc, MD, 2267-2269, DSc, MD, 2270-2272, DSc, MD, 2273-2275, DSc, MD, 2276-2278, DSc, MD, 2279-2281, DSc, MD, 2282-2284, DSc, MD, 2285-2287, DSc, MD, 2288-2290, DSc, MD, 2291-2293, DSc, MD, 2294-2296, DSc, MD, 2297-2299, DSc, MD, 2300-2302, DSc, MD, 2303-2305, DSc, MD, 2306-2308, DSc, MD, 2309-2311, DSc, MD, 2312-2314, DSc, MD, 2315-2317, DSc, MD, 2318-2320, DSc, MD, 2321-2323, DSc, MD, 2324-2326, DSc, MD, 2327-2329, DSc, MD, 2330-2332, DSc, MD, 2333-2335, DSc, MD, 2336-2338, DSc, MD, 2339-2341, DSc, MD, 2342-2344, DSc, MD, 2345-2347, DSc, MD, 2348-2350, DSc, MD, 2351-2353, DSc, MD, 2354-2356, DSc, MD, 2357-2359, DSc, MD, 2360-2362, DSc, MD, 2363-2365, DSc, MD, 2366-2368, DSc, MD, 2369-2371, DSc, MD, 2372-2374, DSc, MD, 2375-2377, DSc, MD, 2378-2380, DSc, MD, 2381-2383, DSc, MD, 2384-2386, DSc, MD, 2387-2389, DSc, MD, 2390-2392, DSc, MD, 2393-2395, DSc, MD, 2396-2398, DSc, MD, 2399-2401, DSc, MD, 2402-2404, DSc, MD, 2405-2407, DSc, MD, 2408-2410, DSc, MD, 2411-2413, DSc, MD, 2414-2416, DSc, MD, 2417-2419, DSc, MD, 2420-2422, DSc, MD, 2423-2425, DSc, MD, 2426-2428, DSc, MD, 2429-2431, DSc, MD, 2432-2434, DSc, MD, 2435-2437, DSc, MD, 2438-2440, DSc, MD, 2441-2443, DSc, MD, 2444-2446, DSc, MD, 2447-2449, DSc, MD, 2450-2452, DSc, MD, 2453-2455, DSc, MD, 2456-2458, DSc, MD, 2459-2461, DSc, MD, 2462-2464, DSc, MD, 2465-2467, DSc, MD, 2468-2470, DSc, MD, 2471-2473, DSc, MD, 2474-2476, DSc, MD, 2477-2479, DSc, MD, 2480-2482, DSc, MD, 2483-2485, DSc, MD, 2486-2488, DSc, MD, 2489-2491, DSc, MD, 2492-2494, DSc, MD, 2495-2497, DSc, MD, 2498-2500, DSc, MD, 2501-2503, DSc, MD, 2504-2506, DSc, MD, 2507-2509, DSc, MD, 2510-2512, DSc, MD, 2513-2515, DSc, MD, 2516-2518, DSc, MD, 2519-2521, DSc, MD, 2522-2524, DSc, MD, 2525-2527, DSc, MD, 2528-2530, DSc, MD, 2531-2533, DSc, MD, 2534-2536, DSc, MD, 2537-2539, DSc, MD, 2540-2542, DSc, MD, 2543-2545, DSc, MD, 2546-2548, DSc, MD, 2549-2551, DSc, MD, 2552-2554, DSc, MD, 2555-2557, DSc, MD, 2558-2560, DSc, MD, 2561-2563, DSc, MD, 2564-2566, DSc, MD, 2567-2569, DSc, MD, 2570-2572, DSc, MD, 2573-2575, DSc, MD, 2576-2578, DSc, MD, 2579-2581, DSc, MD, 2582-2584, DSc, MD, 2585-2587, DSc, MD, 2588-2590, DSc, MD, 2591-2593, DSc, MD, 2594-2596, DSc, MD, 2597-2599, DSc, MD, 2600-2602, DSc, MD, 2603-2605, DSc, MD, 2606-2608, DSc, MD, 2609-2611, DSc, MD, 2612-2614, DSc, MD, 2615-2617, DSc, MD, 2618-2620, DSc, MD, 2621-2623, DSc, MD, 2624-2626, DSc, MD, 2627-2629, DSc, MD, 2630-2632, DSc, MD, 2633-2635, DSc, MD, 2636-2638, DSc, MD, 2639-2641, DSc, MD, 2642-2644, DSc, MD, 2645-2647, DSc, MD, 2648-2650, DSc, MD, 2651-2653, DSc, MD, 2654-2656, DSc, MD, 2657-2659, DSc, MD, 2660-2662, DSc, MD, 2663-2665, DSc, MD, 2666-2668, DSc, MD, 2669-2671, DSc, MD, 2672-2674, DSc, MD, 2675-2677, DSc, MD, 2678-2680, DSc, MD, 2681-2683, DSc, MD, 2684-2686, DSc, MD, 2687-2689, DSc, MD, 2690-2692, DSc, MD, 2693-2695, DSc, MD, 2696-2698, DSc, MD, 2699-2701, DSc, MD, 2702-2704, DSc, MD, 2705-2707, DSc, MD, 2708-2710, DSc, MD, 2711-2713, DSc, MD, 2714-2716, DSc, MD, 2717-2719, DSc, MD, 2720-2722, DSc, MD, 2723-2725, DSc, MD, 2726-2728, DSc, MD, 2729-2731, DSc, MD, 2732-2734, DSc, MD, 2735-2737, DSc, MD, 2738-2740, DSc, MD, 2741-2743, DSc, MD, 2744-2746, DSc, MD, 2747-2749, DSc, MD, 2750-2752, DSc, MD, 2753-2755, DSc, MD, 2756-2758, DSc, MD, 2759-2761, DSc, MD, 2762-2764, DSc, MD, 2765-2767, DSc, MD, 2768-2770, DSc, MD, 2771-2773, DSc, MD, 2774-2776, DSc, MD, 2777-2779, DSc, MD, 2780-2782, DSc, MD, 2783-2785, DSc, MD, 2786-2788, DSc, MD, 2789-2791, DSc, MD, 2792-2794, DSc, MD, 2795-2797, DSc, MD, 2798-2800, DSc, MD, 2801-2803, DSc, MD, 2804-2806, DSc, MD, 2807-2809, DSc, MD, 2810-2812, DSc, MD, 2813-2815, DSc, MD, 2816-2818, DSc, MD, 2819-2821, DSc, MD, 2822-2824, DSc, MD, 2825-2827, DSc, MD, 2828-2830, DSc, MD, 2831-2833, DSc, MD, 2834-2836, DSc, MD, 2837-2839, DSc, MD, 2840-2842, DSc, MD, 2843-2845, DSc, MD, 2846-2848, DSc, MD, 2849-2851, DSc, MD, 2852-2854, DSc, MD, 2855-2857, DSc, MD, 2858-2860, DSc, MD, 2861-2863, DSc, MD, 2864-2866, DSc, MD, 2867-2869, DSc, MD, 2870-2872, DSc, MD, 2873-2875, DSc, MD, 2876-2878, DSc, MD, 2879-2881, DSc, MD, 2882-2884, DSc, MD, 2885-2887, DSc, MD, 2888-2890, DSc, MD, 2891-2893, DSc, MD, 2894-2896, DSc, MD, 2897-2899, DSc, MD, 2900-2902, DSc, MD, 2903-2905, DSc, MD, 2906-2908, DSc, MD, 2909-2911, DSc, MD, 2912-2914, DSc, MD, 2915-2917, DSc, MD, 2918-2920, DSc, MD, 2921-2923, DSc, MD, 2924-2926, DSc, MD, 2927-2929, DSc, MD, 2930-2932, DSc, MD, 2933-2935, DSc, MD, 2936-2938, DSc, MD, 2939-2941, DSc, MD, 2942-2944, DSc, MD, 2945-2947, DSc, MD, 2948-2950, DSc, MD, 2951-2953, DSc, MD, 2954-2956, DSc, MD, 2957-2959, DSc, MD, 2960-2962, DSc, MD, 2963-2965, DSc, MD, 2966-2968, DSc, MD, 2969-2971, DSc, MD, 2972-2974, DSc, MD, 2975-2977, DSc, MD, 2978-2980, DSc, MD, 2981-2983, DSc, MD, 2984-2986, DSc, MD, 2987-2989, DSc, MD, 2990-2992, DSc, MD, 2993-2995, DSc, MD, 2996-2998, DSc, MD, 2999-3001, DSc, MD, 3002-3004, DSc, MD, 3005-3007, DSc, MD, 3008-3010, DSc, MD, 3011-3013, DSc, MD, 3014-3016, DSc, MD, 3017-3019, DSc, MD, 3020-3022, DSc, MD, 3023-3025, DSc, MD, 3026-3028, DSc, MD, 3029-3031, DSc, MD, 3032-3034, DSc, MD, 3035-3037, DSc, MD, 3038-3040, DSc, MD, 3041-3043, DSc, MD, 3044-3046, DSc, MD, 3047-3049, DSc, MD, 3050-3052, DSc, MD, 3053-3055, DSc, MD, 3056-3058, DSc, MD, 3059-3061, DSc, MD, 3062-3064, DSc, MD, 3065-3067, DSc, MD, 3068-3070, DSc, MD, 3071-3073, DSc, MD, 3074-3076, DSc, MD, 3077-3079, DSc, MD, 3080-3082, DSc, MD, 3083-3085, DSc, MD, 3086-3088, DSc, MD, 3089-3091, DSc, MD, 3092-3094, DSc, MD, 3095-3097, DSc, MD, 3098-3100, DSc, MD, 3101-3103, DSc, MD, 3104-3106, DSc, MD, 3107-3109, DSc, MD, 3110-3112, DSc, MD, 3113-3115, DSc, MD, 3116-3118, DSc, MD, 3119-3121, DSc, MD, 3122-3124, DSc, MD, 3125-3127, DSc, MD, 3128-3130, DSc, MD, 3131-3133, DSc, MD, 3134-3136, DSc, MD, 3137-3139, DSc, MD, 3140-3142, DSc, MD, 3143-3145, DSc, MD, 3146-3148, DSc, MD, 3149-3151, DSc, MD, 3152-3154, DSc, MD, 3155-3157, DSc, MD, 3158-3160, DSc, MD, 3161-3163, DSc, MD, 3164-3166, DSc, MD, 3167-3169, DSc, MD, 3170-3172, DSc, MD, 3173-3175, DSc, MD, 3176-3178, DSc, MD, 3179-3181, DSc, MD, 3182-3184, DSc, MD, 3185-3187, DSc, MD, 3188-3190, DSc, MD, 3191-3193, DSc, MD, 3194-3196, DSc, MD, 3197-3199, DSc, MD, 3200-3202, DSc, MD, 3203-3205, DSc, MD, 3206-3208, DSc, MD, 3209-3211, DSc, MD, 3212-3214, DSc, MD, 3215-3217, DSc, MD, 3218-3220, DSc, MD, 3221-3223, DSc, MD, 3224-3226, DSc, MD, 3227-3229, DSc, MD, 3230-3232, DSc, MD, 3233-3235, DSc, MD, 3236-3238, DSc, MD, 3239-3241, DSc, MD, 3242-3244, DSc, MD, 3245-3247, DSc, MD, 3248-3250, DSc, MD, 3251-3253, DSc, MD, 3254-3256, DSc, MD, 3257-3259, DSc, MD, 3260-3262, DSc, MD, 3263-3265, DSc, MD, 3266-3268, DSc, MD, 3269-3271, DSc, MD, 3272-3274, DSc, MD, 3275-3277, DSc, MD, 3278-3280, DSc, MD, 3281-3283, DSc, MD, 3284-3286, DSc, MD, 3287-3289, DSc, MD, 3290-3292, DSc, MD, 3293-3295, DSc, MD, 3296-3298, DSc, MD, 3299-3301, DSc, MD, 3302-3304, DSc, MD, 3305-3307, DSc, MD, 3308-3310, DSc, MD, 3311-3313, DSc, MD, 3314-3316, DSc, MD, 3317-3319, DSc, MD, 3320-3322, DSc, MD, 3323-3325, DSc, MD, 3326-3328, DSc, MD, 3329-3331, DSc, MD, 3332-3334, DSc, MD, 3335-3337, DSc, MD, 3338-3340, DSc, MD, 3341-3343, DSc, MD, 3344-3346, DSc, MD, 3347-3349, DSc, MD, 3350-3352, DSc, MD, 3353-3355, DSc, MD, 3356-3358, DSc, MD, 3359-3361, DSc, MD, 3362-3364, DSc, MD, 3365-3367, DSc, MD, 3368-3370, DSc, MD, 3371-3373, DSc, MD, 3374-3376, DSc, MD, 3377-3379, DSc, MD, 3380-3382, DSc, MD, 3383-3385, DSc, MD, 3386-3388, DSc, MD, 3389-3391, DSc, MD, 3392-3394, DSc, MD, 3395-3397, DSc, MD, 3398-3400, DSc, MD, 3401-3403, DSc, MD, 3404-3406, DSc, MD, 3407-3409, DSc, MD, 3410-3412, DSc, MD, 3413-3415, DSc, MD, 3416-3418, DSc, MD, 3419-3421, DSc, MD, 3422-3424, DSc, MD, 3425-3427, DSc, MD, 3428-3430, DSc, MD, 3431-3433, DSc, MD, 3434-3436, DSc, MD, 3437-3439, DSc, MD, 3440-3442, DSc, MD, 3443-3445, DSc, MD, 3446-3448, DSc, MD, 3449-3451, DSc, MD, 3452-3454, DSc, MD, 3455-3457, DSc, MD, 3458-3460, DSc, MD, 3461-3463, DSc, MD, 3464-3466, DSc, MD, 3467-3469, DSc, MD, 3470-3472, DSc, MD, 3473-3475, DSc, MD, 3476-3478, DSc, MD, 3479-3481, DSc, MD, 3482-3484, DSc, MD, 3485-3487, DSc, MD, 3488-3490, DSc, MD, 3491-3493, DSc, MD, 3494-3496, DSc, MD, 3497-3499, DSc, MD, 3500-3502, DSc, MD, 3503-3505, DSc, MD, 3506-3508, DSc, MD, 3509-3511, DSc, MD, 3512-3514, DSc, MD, 3515-3517, DSc, MD, 3518-3520, DSc, MD, 3521-3523, DSc, MD, 3524-3526, DSc, MD, 3527-3529, DSc, MD, 3530-3532, DSc, MD, 3533-3535, DSc, MD, 3536-3538, DSc, MD, 3539-3541, DSc, MD, 3542-3544, DSc, MD, 3545-3547, DSc, MD, 3548-3550, DSc, MD, 3551-3553, DSc, MD, 3554-3556, DSc, MD, 3557-3559, DSc, MD, 3560-3562, DSc, MD, 3563-3565, DSc, MD, 3566-3568, DSc, MD, 3569-3571, DSc, MD, 3572-3574, DSc, MD, 3575-3577, DSc, MD, 3578-3580, DSc, MD, 3581-3583, DSc, MD, 3584-3586, DSc, MD, 3587-3589, DSc, MD, 3590-3592, DSc, MD, 3593-3595, DSc, MD, 3596-3598, DSc, MD, 3599-3601, DSc, MD, 3602-3604, DSc, MD, 3605-3607, DSc, MD, 3608-3610, DSc, MD, 3611-3613, DSc, MD, 3614-3616, DSc, MD, 3617-3619, DSc, MD, 3620-3622, DSc, MD, 3623-3625, DSc, MD, 3626-3628, DSc, MD, 3629-3631, DSc, MD, 3632-3634, DSc, MD, 3635-3637, DSc, MD, 3638-3640, DSc, MD, 3641-3643, DSc, MD, 3644-3646, DSc, MD, 3647-3649, DSc, MD, 3650-3652, DSc, MD, 3653-3655, DSc, MD, 3656-3658, DSc, MD, 3659-3661, DSc, MD, 3662-3664, DSc, MD, 3665-3667, DSc, MD, 3668-3670, DSc, MD, 3671-3673, DSc, MD, 3674-3676, DSc, MD, 3677-3679, DSc, MD, 3680-3682, DSc, MD, 3683-3685, DSc, MD, 3686-3688, DSc, MD, 3689-3691, DSc, MD, 3692-3694, DSc, MD, 3695-3697, DSc, MD, 3698-3700, DSc, MD, 3701-3703, DSc, MD, 3704-3706, DSc, MD, 3707-3709, DSc, MD, 3710-3712, DSc, MD, 3713-3715, DSc, MD, 3716-3718, DSc, MD, 3719-3721, DSc, MD, 3722-3724, DSc, MD, 3725-3727, DSc, MD, 3728-3730, DSc, MD, 3731-3733, DSc, MD, 3734-3736, DSc, MD, 3737-3739, DSc, MD, 3740-3742, DSc, MD, 3743-3745, DSc, MD, 3746-3748, DSc, MD, 3749-3751, DSc, MD, 3752-3754, DSc, MD, 3755-3757, DSc, MD, 3758-3760, DSc, MD, 3761-3763, DSc, MD, 3764-3766, DSc, MD, 3767-3769, DSc, MD, 3770-3772, DSc, MD, 3773-3775, DSc, MD, 3776-3778, DSc, MD, 3779-3781, DSc, MD, 3782-3784, DSc, MD, 3785-3787, DSc, MD, 3788-3790, DSc, MD, 3791-3793, DSc, MD, 3794-3796, DSc, MD, 3797-3799, DSc, MD, 3800-3802, DSc, MD, 3803-3805, DSc, MD, 3806-3808, DSc, MD, 3809-3811, DSc, MD, 3812-3814, DSc, MD, 3815-3817, DSc, MD, 3818-3820, DSc, MD, 3821-3823, DSc, MD, 3824-3826, DSc, MD, 3827-3829, DSc, MD, 3830-3832, DSc, MD, 3833-3835, DSc, MD, 3836-3838, DSc, MD, 3839-3841, DSc, MD, 3842-3844, DSc, MD, 3845-3847, DSc, MD, 3848-3850, DSc, MD, 3851-3853, DSc, MD, 3854-3856, DSc, MD, 3857-3859, DSc, MD, 3860-3862, DSc, MD, 3863-3865, DSc, MD, 3866-3868, DSc, MD, 3869-3871, DSc, MD, 3872-3874, DSc, MD, 3875-3877, DSc, MD, 3878-3880, DSc, MD, 3881-3883, DSc, MD, 3884-3886, DSc, MD, 3887-3889, DSc, MD, 3890-3892, DSc, MD, 3893-3895, DSc, MD, 3896-3898, DSc, MD, 3899-3901, DSc, MD, 3902-3904, DSc, MD, 3905-3907, DSc, MD, 3908-3910, DSc, MD, 3911-3913, DSc, MD, 3914-3916, DSc, MD, 3917-3919, DSc, MD, 3920-3922, DSc, MD, 3923-3925, DSc, MD, 3926-3928, DSc, MD, 3929-3931, DSc, MD, 3932-3934, DSc, MD, 3935-3937, DSc, MD, 3938-3940, DSc, MD, 3941-3943, DSc, MD, 3944-3946, DSc, MD, 3947-3949, DSc, MD, 3950-3952, DSc, MD, 3953-3955, DSc, MD, 3956-3958, DSc, MD, 3959-3961, DSc, MD, 3962-3964, DSc, MD, 3965-3967, DSc, MD, 3968-3970, DSc, MD, 3971-3973, DSc, MD, 3974-3976, DSc, MD, 3977-3979, DSc, MD, 3980-3982, DSc, MD, 3983-3985, DSc, MD, 3986-3988, DSc, MD, 3989-3991, DSc, MD, 3992-3994, DSc, MD, 3995-3997, DSc, MD, 3998-3999, DSc, MD, 4000-4002, DSc, MD, 4003-4005, DSc, MD, 4006-4008, DSc, MD, 4009-4011, DSc, MD, 4012-4014, DSc, MD, 4015-4017, DSc, MD, 4018-4020, DSc, MD, 4021-4023, DSc, MD, 4024-4026, DSc, MD, 4027-4029, DSc, MD, 4030-4032, DSc, MD, 4033-4035, DSc, MD, 4036-4038, DSc, MD, 4039-4041, DSc, MD, 4042-4044, DSc, MD, 4045-4047, DSc, MD, 4048-4050, DSc, MD, 4051-4053, DSc, MD, 4054-4056, DSc, MD, 4057-4059, DSc, MD, 4060-4062, DSc, MD, 4063-4065, DSc, MD, 4066-4068, DSc, MD, 4069-4071, DSc, MD, 4072-4074, DSc, MD, 4075-4077, DSc, MD, 4078-4080, DSc, MD, 4081-4083, DSc, MD, 4084-4086, DSc, MD, 4087-4089, DSc, MD, 4090-4092, DSc, MD, 4093-4095, DSc, MD, 4096-4098, DSc, MD, 4099-4101, DSc, MD, 4102-4104, DSc, MD, 4105-4107, DSc, MD, 4108-4110, DSc, MD, 4111-4113, DSc, MD, 4114-4116, DSc, MD, 4117-4119, DSc, MD, 4120-4122, DSc, MD, 4123-4125, DSc, MD,