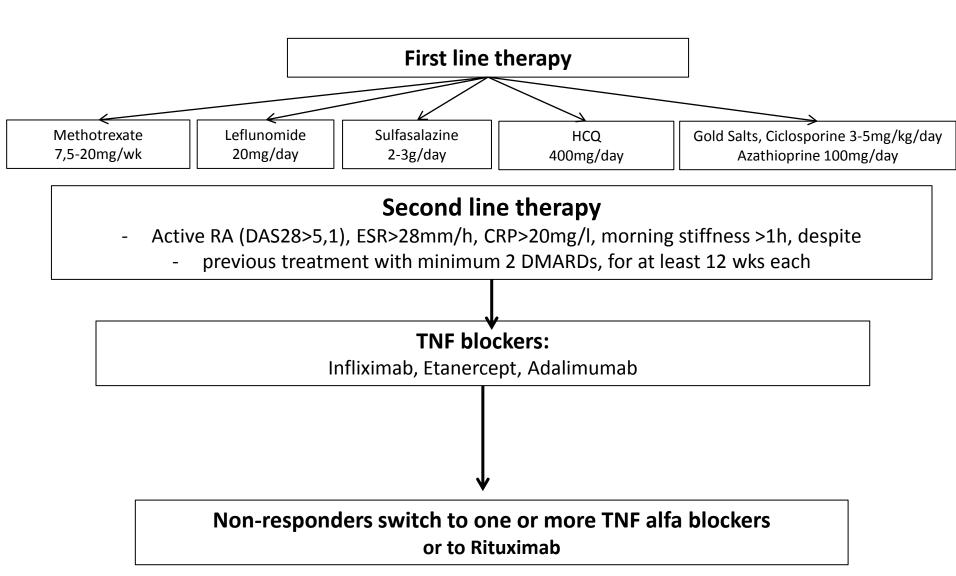
The organization of a reliable database (Registry) of Rheumatoid Arthritis patients: the Romanian experience

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Center of Rheumatic Diseases
Bucharest, Romania

RA Prevalence in Romania

- No local data available
- The estimated prevalence of RA is 0.5 –1%
 (around 150,000 patients)
- In 2008, 20,000 patients were hospitalized for RA in Romania

Treatment in RA



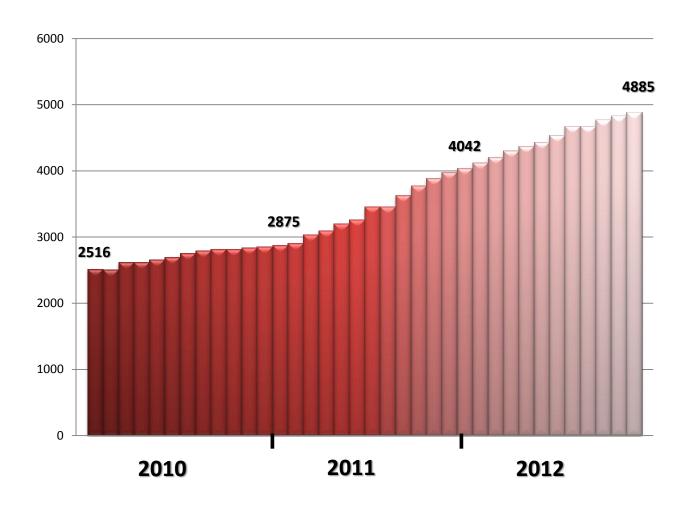
Certolizumab , Golimumab Tocilizumab, Abatacept Are available but not reimbursed

Total Number of Patients treated with Biologics in Romania (2012) *

| RA | 4885 |
|-------|------|
| AS | 1859 |
| PsA | 913 |
| JIA | 127 |
| TOTAL | 7108 |

^{*} Data from National Health Insurance House

Total number of RA patients treated with Biologics in Romania



^{*} Data from National Health Insurance House

Romanian Registry of RA Patients

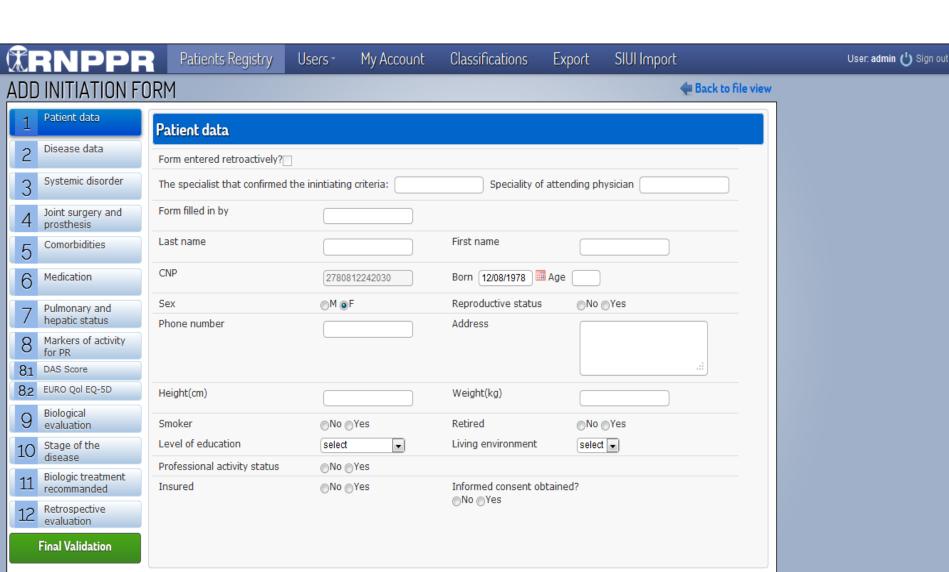
- The aim is to obtain data for all RA patients on biologic therapy, related to:
 - Patient demographics
 - Disease diagnosis
 - Disease course & activity (DAS28)
 - Imaging (optional): US, Rx, MRI
 - Disease therapy, including non-biologic DMARD's
 - Treatment efficacy (long-term)
 - Treatment safety (long-term)
 - Treatment failures
 - Cost-effectiveness:
 - Direct costs (hospitalization, medication, visits to rheumatologist)
 - Indirect costs (welfare, loss of productivity, absenteeism)

Romanian Registry of RA Patients: timeline

- December 2011: Funding agreement for registry with pharma companies that have registered biologic therapies for RA
- January 2012: The software provider was selected
- October 2012: A demo version of the registry is available
- February 2013: Registry is fully active, all patients with biologics prescriptions have to be registered

Data security

| Utilizator: popescu Parola: •••••• Cod parafa: •••••• Mi-am vitat parola Autentificare | REGISTRUL NATIONAL AL PACIENTILOR CU POLIARTRITA REUMATOIDA |
|--|---|
| Cod parafa: •••••• | |
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| | Mi-am vitat parola Autentificare |

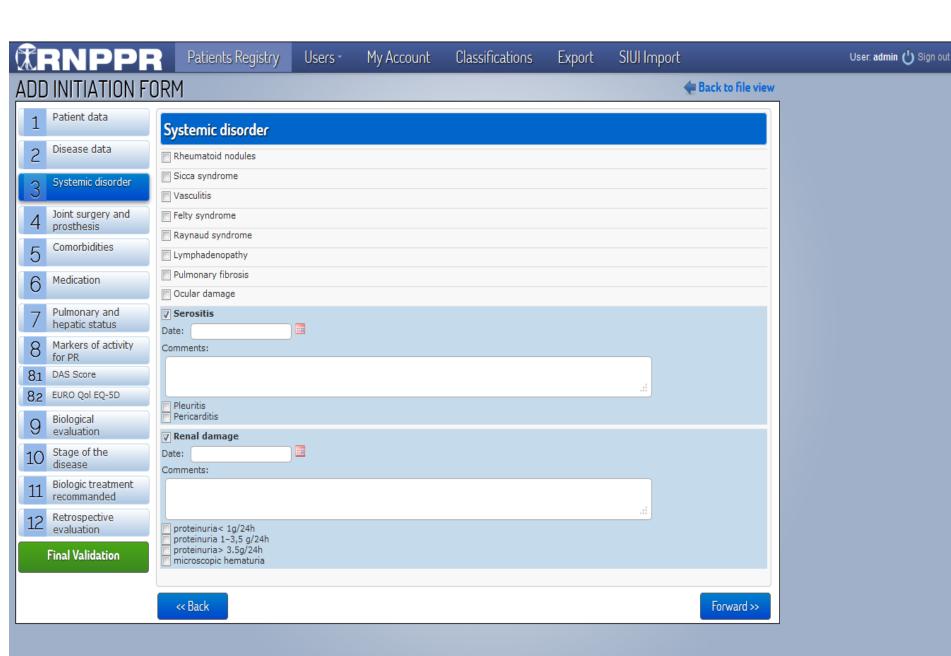


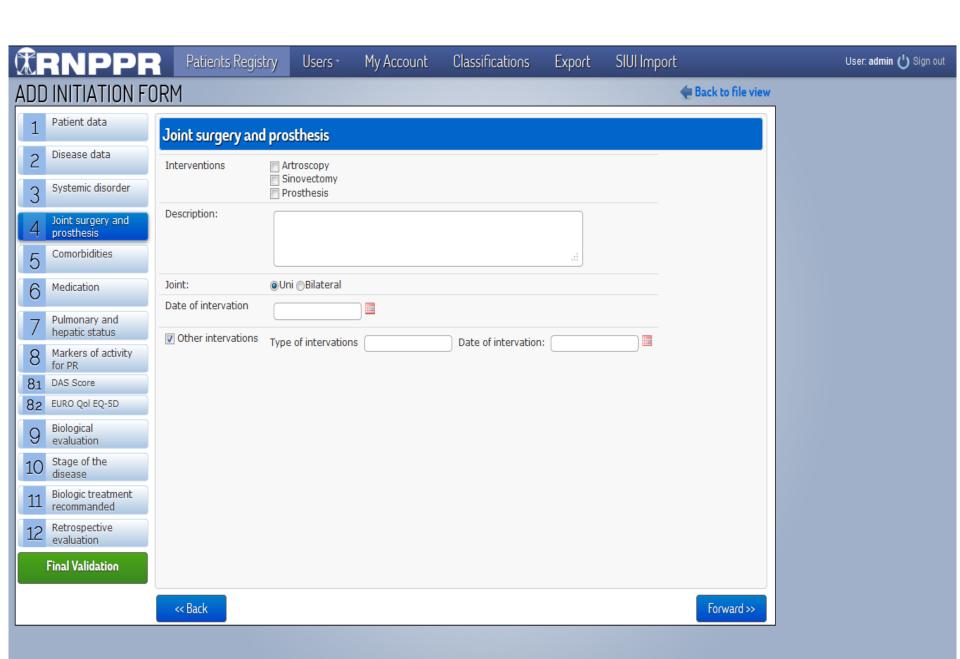
Forward >>

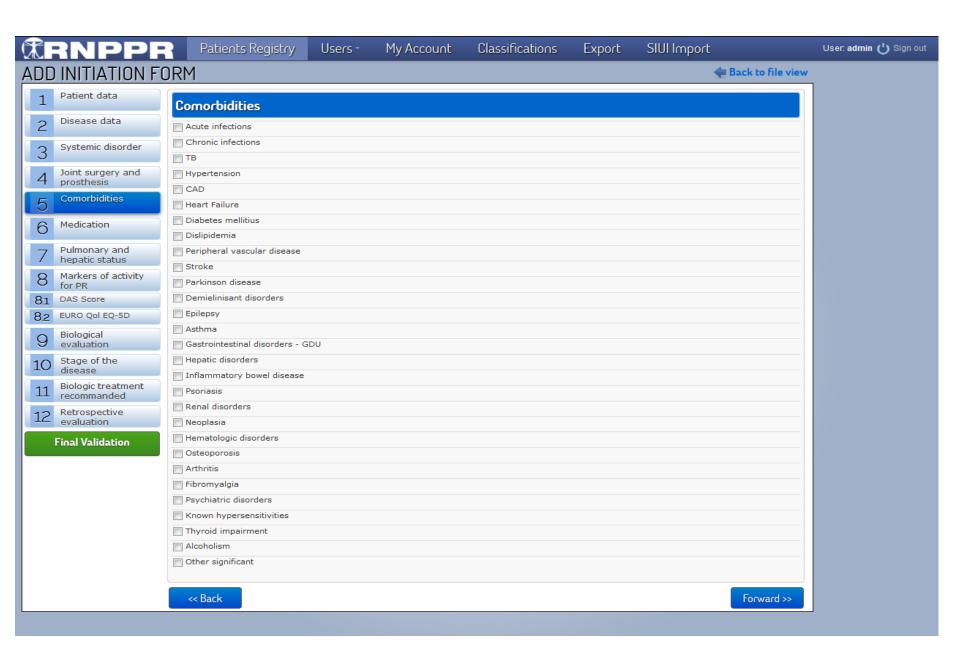
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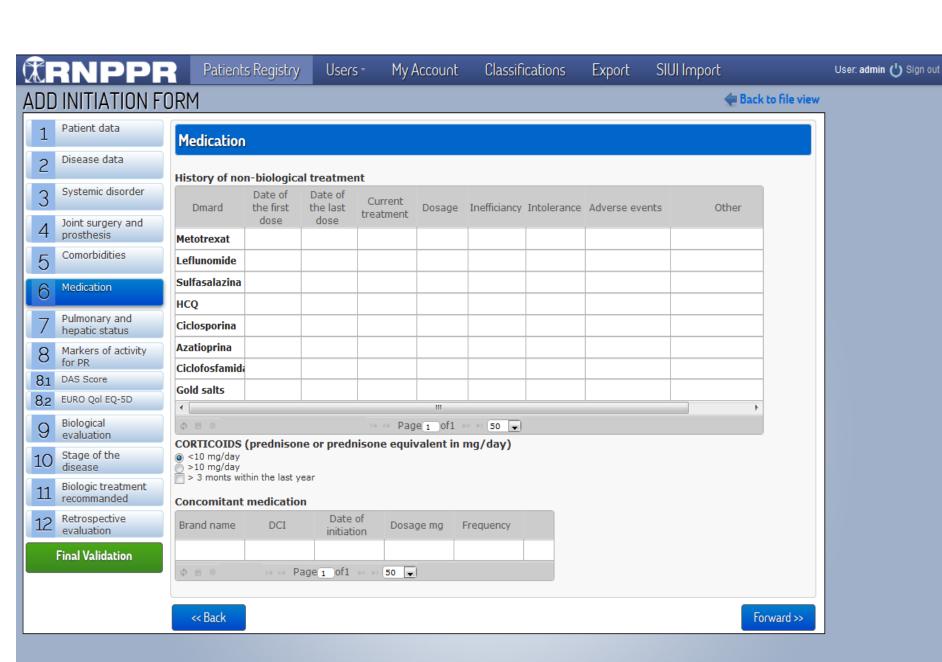


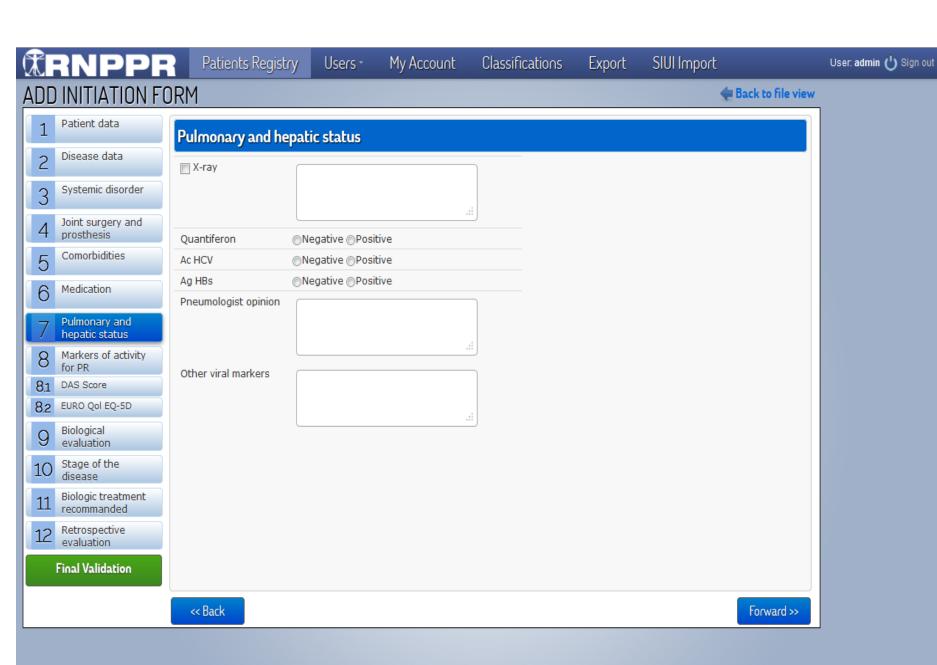
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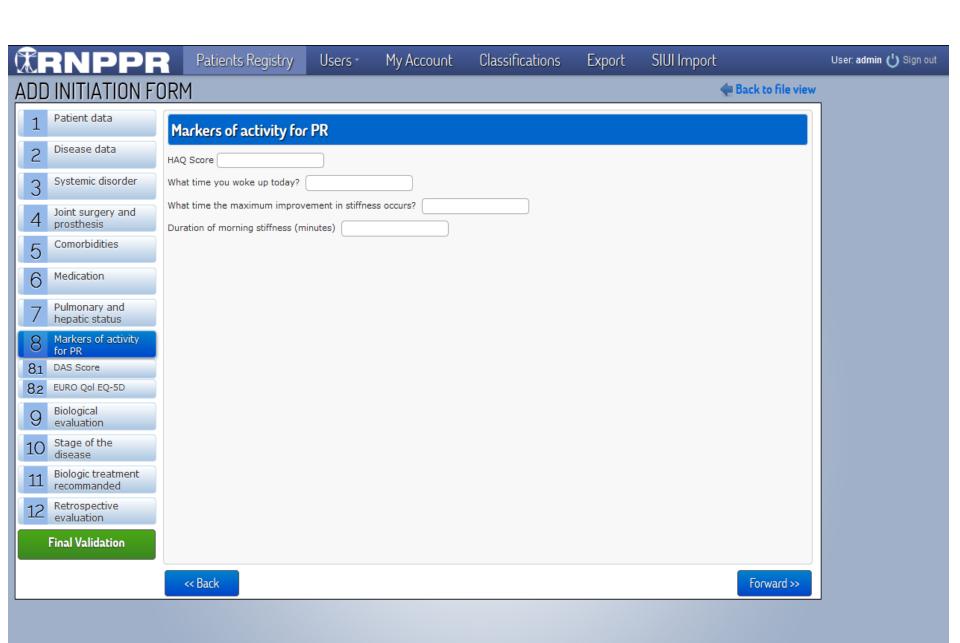


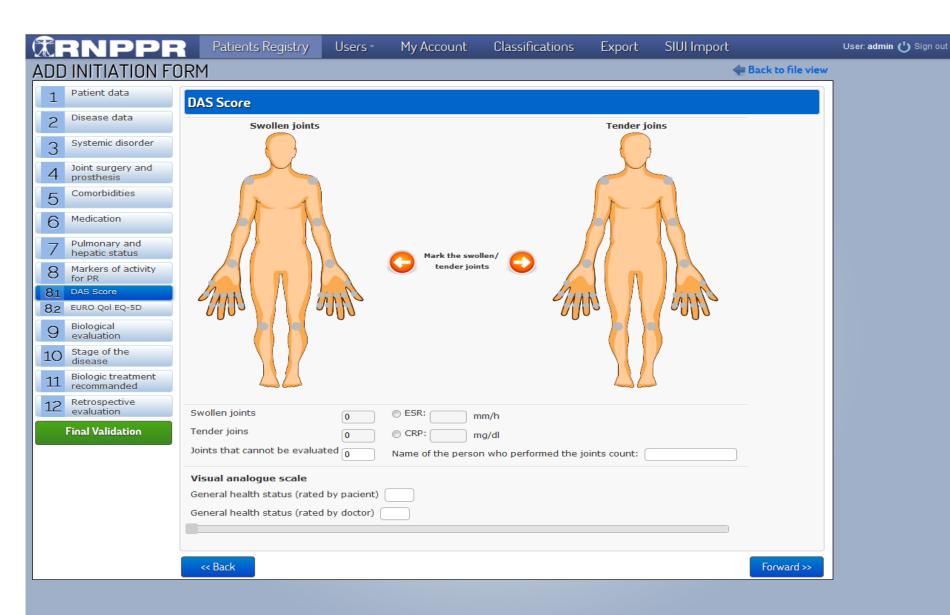


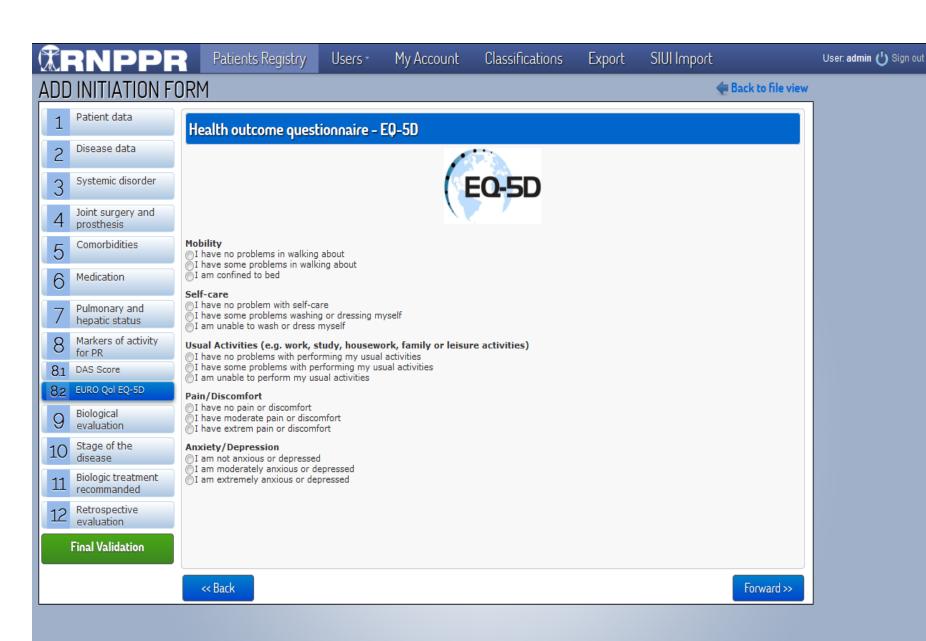


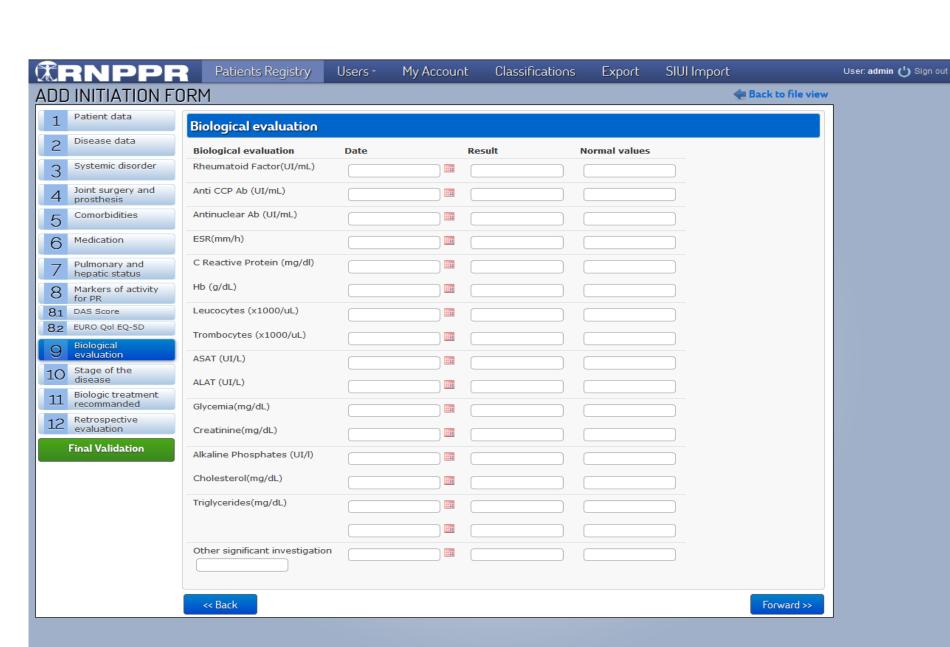












Comments:

ADVERSE EVENTS Back to file view Date of event onset Event expected (according to SPC) Data of event cessation ounexpected Duration hours days single intermittent persistent recurrent Frequency Relation with the biological theraphy no relation possible probable certain Description Pancytopenia Infection Tuberculosis Solid malignancies Malignant lymphoproliferations Demielinisant disorders Congestive HF Newly diagnosed Aggravated Ultrasound evaluation No Yes Comments ACS Stroke Pregnancy Skin reactions Anafilaxy Immunologic abnomalities Other important medical events Reactivated chronic virus B hepatitis Conclusions The gravity of adverse event mild moderate severe Important medical event Comments Attitude regarding biological therapy stop continue dose adjustment Progress ○improved ○cured ○aggravated ○fatal ○unchanged