Chronic GVHD Distinctive features

- Seen in chronic GVHD, but insufficient alone to establish a diagnosis of chronic GVHD
- In all cases, infection, drug effect, malignancy, or other causes must be excluded.

| Organ and distinctive signs | Other Causes / Confirmation |
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| Skin | |
| Depigmentation (Vitiligo) Papulosquamous lesions | Features contribute to the diagnosis of chronic GVHD in combination with biopsy or laboratory confirmation of GVHD in skin or another organ. Requirement for confirmation: biopsy documenting histological features of chronic GVHD (at least "likely" cGVHD) |
| Nails | |
| Dystrophy consting of longitudinal ridging, splitting or brittle features Onycholysis | Exclusion of other causes of nail dystrophy: Subungual infections/onychomycosis from dermatophytes, yeasts (eg, Candida albicans), or bacteria (including P. aeruginosa and S. aureus). Tumor in proximal nail fold or nail bed Trauma Habitual nail picking personal history of psoriasis allergic or irritant contact dermatitis yellow nail syndrome. subungual squamous cell carcinoma in chronic unexplained onycholysis affection only one nail Requirement for confirmation: evaluation by a dermatologist and exclusion of other causes (see above) |
| Pterygium unguis | |
| Nail loss (usually symmetric, affects most nails) | |
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| Scalp and body hair | |
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| New onset of scarring or nonscarring scalppalopecia (after recovery from chemoradiotherapy) Loss of body hair Scaling | After evaluation by a specialist (usually dermatologist) and exclusion of alternative causes, like: • Malnutrition • Endocrine disorders (thyroid disorders, estrogen deficiency) • iron deficiency • toxic (poisoning: eg. arsenic, mercury) or drug related, eg. Amiodarone, Anticoagulants, Anticonvulsants, Captopril, Cholesterol lowering drugs, Propranolol, etc. Requirement for confirmation: evaluation by a dermatologist and exclusion of other causes (see above) |
| Mouth | |
| Xerostomia | Exclusion of herpes simplex, or Candida albicans infections of the oral cavity, drug toxicity and malignancies (if ulcers). Measurment of saliva production. |
| Mucoceles | |
| Mucosal atrophy | |
| Ulcers | Requirement for confirmation: exlusion of infection by appropriate tests and malignancy by biopsy. Evaluation by dentist or otolaryngologist |
| Pseudomembranes | |
| Eyes | |
| New onset dry, gritty, or painful eyes | evaluation by an opthamologist experienced in posttransplant care to exclude other causes |
| Cicatricial conjunctivitis | |
| KCS | new ocular sicca documented by low Schirmer's test |
| Confluent areas of punctate keratopathy | new onset of KCS by slit lamp exam with Schirmer's test Requirement for confirmation: evaluation by |
| | opthalmologist + pathological Schirmer's test (with/without split lamp) |

| Genitalia | |
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| Erosions Fissures Ulcers | Evaluation by an gynecologist experienced in posttransplant care to exclude other causes Including hormonal deficiency, infections, toxic/mechanical irritations or malignancies. |
| | Requirement for confirmation: evaluation by gynecologist + biopsy documenting histological features of chronic GVHD (at least "likely" cGVHD) |
| Lung | |
| Air trapping and bronchiectasis on chest CT | If BOS is the only clinical manifestation in a patient without a prior established diagnosis of chronic GVHD, air trapping and bronchiectasis on CT scan are not sufficient to establish the diagnosis of cGVHD. In this situation a lung biopsy is required to establish the diagnosis of chronic GVHD. Requirement for confirmation: biopsy documenting histological features of chronic GVHD (at least "likely" cGVHD) if only clinical manifestation in a patient without a prior established diagnosis of chronic GVHD |
| Muscles, fascia, joints | |
| Myositis or Polymyositis | For diagnosis of chronic GVHD biopsy required in absence of other manifestations of cGVHD to exclude other causes of myositis, incl. drug induced myositis |
| | Requirement for confirmation: muscle biopsy documenting histological features of chronic GVHD (at least "likely" cGVHD) |